



July 25, 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 #204 (Injection System)
Unit Letter C, Section 7, Township 24 South, and Range 37 East
Lea County, New Mexico
Incident ID NAPP2332543477**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by JR Oil Ltd. Co. (JR Oil) to evaluate a release that occurred from an injection flowline in the Myers Langlie Mattix Injection System but associated with Unit #204 (MLMU 204) (API: 30-025-25677). The release footprint (Site) is located inside Public Land Survey System (PLSS) Unit Letter C, Section 7, Township 24 South, and Range 37 East, Lea County, New Mexico. The release site coordinates are 32.235424°, -103.199557°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Form C-141 Notice of Release (Appendix A), the release was discovered on November 20, 2023. The release was reported as the result of corrosion of a coupling piece on an injection flowline. 100 barrels (bbls) of produced water were reported released, of which 2 bbls were recovered by a vacuum truck. Between November 21 and 22, 2023, JR Oil personnel were on site with heavy equipment to perform a 6-inch scrape of the release footprint. The New Mexico Oil Conservation Division (NMOCD) approved the initial Form C-141 report form for the release on January 12, 2024. The NMOCD Incident ID for this release is NAPP2332543477.

A spill calculator was included with the initial C-141 (Appendix A), providing an estimate on the area of the release footprint. The spill calculator estimated the release footprint as a single rectangular area 72 ft by 225 ft.

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.

According to the United State Geological Survey (USGS) reporting system, there is one well within approximately ½ mile (800 meters) of the Site with a measured depth to groundwater of 119 feet below ground surface (bgs). The record from the USGS groundwater well is from 1996. Based on precedent set

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JR Oil Ltd. Co.

by the NMOCD that groundwater records for site characterizations should be within the last 25 years, JR Oil took it upon itself to gather a more recent groundwater measurement from the USGS groundwater well. Prior to entering property where the USGS groundwater well is located, JR Oil obtained landowner approval to access the area and well location.

On March 9, 2024, an independent groundwater well subcontractor of JR Oil escorted by JR Oil personnel accessed the USGS groundwater well and gauged the depth-to-water at the USGS well at approximately 118 feet below the level of the well casing. Photographic records of this measurement are included with the site characterization data. This direct measurement established groundwater for the subject line site. 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

SITE ASSESSMENT

Tetra Tech personnel were onsite on January 17 and 25, 2024 to conduct assessment activities at the Site on behalf of JR Oil. A total of seventeen (17) hand auger borings were installed within and around the exterior of the release footprint. Six (6) hand auger borings (AH-1 through AH-6) were installed within the release footprint to a maximum of 4.5 feet below ground surface (bgs). Eleven (11) hand auger borings (H-1 through H-11) were installed around the perimeter of the release footprint for horizontal delineation.

A total of thirty-one (31) samples were collected from the seventeen hand auger locations. Collected samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Eurofins Environment Testing South Central, LLC (Eurofins). The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by EPA Method 300.

Analytical results associated with the borings exceeded Site Reclamation Requirements for chloride in the upper four feet. Analytical results associated with all thirty-one soil samples collected during the January

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2024 assessment activities were below Site Reclamation Requirements for BTEX and TPH. Analytical results associated with soil samples gathered from hand auger boring locations H-1 through H-11 were below Site Reclamation Requirements. Assessment sampling locations are indicated in Figure 3. Horizontal delineation was achieved as a result of the assessment activities. Analytical laboratory results from the initial assessment are presented in Table 1. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

REMEDATION AND CONFIRMATION SAMPLING

In accordance with 19.15.29.8. ^C ~~B~~ (4) NMAC, JR Oil elected to remediate the release footprint in lieu of submitting a remediation work plan. Excavation of the release footprint was conducted in an iterative manner, spanning from early May 2024 to mid-December 2024. Beginning in May 2024, JR Oil personnel and their subcontractor Dirt Works Services (Dirt Works) were onsite to execute remediation activities including excavation and disposal of impacted soils. Initially a six-inch scrape was performed. Dirt Works excavated the release footprint to between 4 and 5.5 feet below the surrounding grade. Due to safety concerns associated with working around pressurized lines, impacted soils were excavated to the maximum extent practicable (MEP) in the direct vicinity of pressurized lines. Heavy machinery remained outside established buffer zones to avoid any associated risk or disturbance. The excavation areas are indicated in Figure 4.

Following the completion of excavation activities, Tetra Tech personnel were onsite to collect confirmation floor and sidewall samples beginning in May of 2024 and continuing in an iterative fashion through December 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. A total of one hundred thirty-six (136) confirmation samples were collected from the excavation floors and sidewalls. Confirmation floor samples were collected at a total of ninety-one (91) locations and confirmation sidewall samples were collected at a total of forty-five (45) locations. Each confirmation floor sample was representative of no more than a 200-square foot area. Collected confirmation floor and sidewall samples were submitted for laboratory analysis to verify the efficacy of remediation activities. Confirmation floor sample locations were labeled with "bottom hole" aka "BH"-#. Confirmation sidewall sample locations were categorized with SW-#.

Analytical results associated with the 2024 confirmation sampling were below applicable Site RRALs for all confirmation floor samples and all but five confirmation sidewall samples. Analytical results associated with locations SW-4, SW-5, SW-9, SW-12, and SW-14 were above reclamation requirements. Based on the confirmation sampling results, the release footprint was expanded horizontally at these confirmation sample locations to achieve remediation goals. Following the additional excavation, iterative confirmation samples were collected by Tetra Tech personnel on September 20, 2024, to verify acceptable cleanup levels were achieved. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration.

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 EPA Method 300. The final analytical results were directly compared to the established reclamation requirements for surface soils (0-4 ft bgs) and to the Site RRALs below 4' bgs. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. The complete results of the iterative 2024 confirmation sampling events are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. Photographic documentation of remediation activities is included in Appendix D. In total, approximately 3,290 cubic yards of material were transported to the J&L Landfarm near Nadin, New Mexico.

RECLAMATION ACTIVITIES

Once confirmation sampling activities were completed and associated analytical results were below the chloride RRAL and/or reclamation requirement for surface soils (0-4 ft bgs), the excavated areas were

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backfilled with clean material to surface grade. Photographic documentation of final backfill conditions are included in Appendix D. After backfilling activities were completed, the ground surface was recontoured to match the native landform. Based on the soils at the Site, the NMSLO Sandy (S) 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.

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List of Attachments

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Site Delineation & Assessment Map
- Figure 4A – Excavation & Confirmation Sample Locations
- Figure 4B – Excavation & Confirmation Sample Locations
- Figure 5 – Area of Reclamation & Restoration

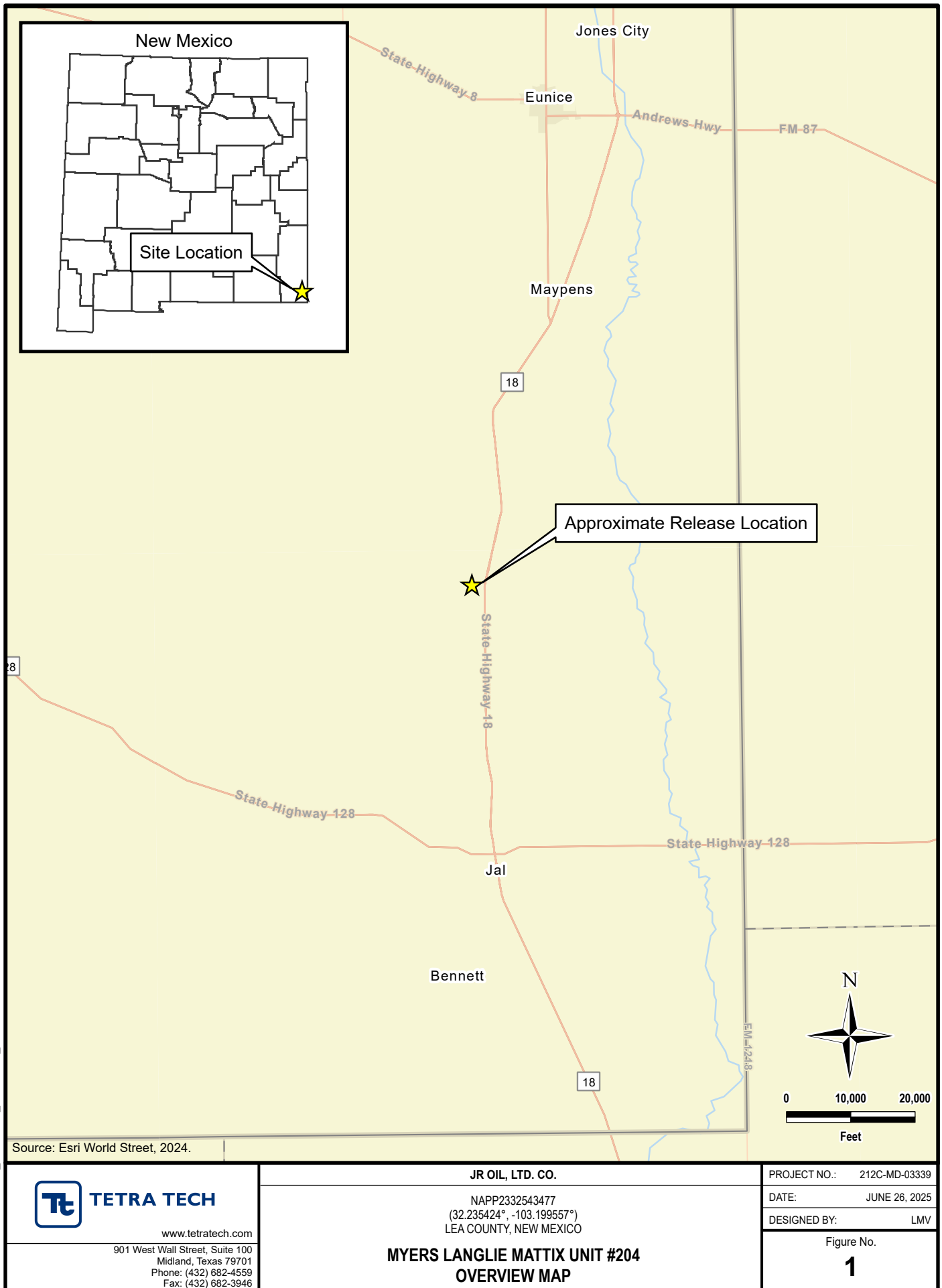
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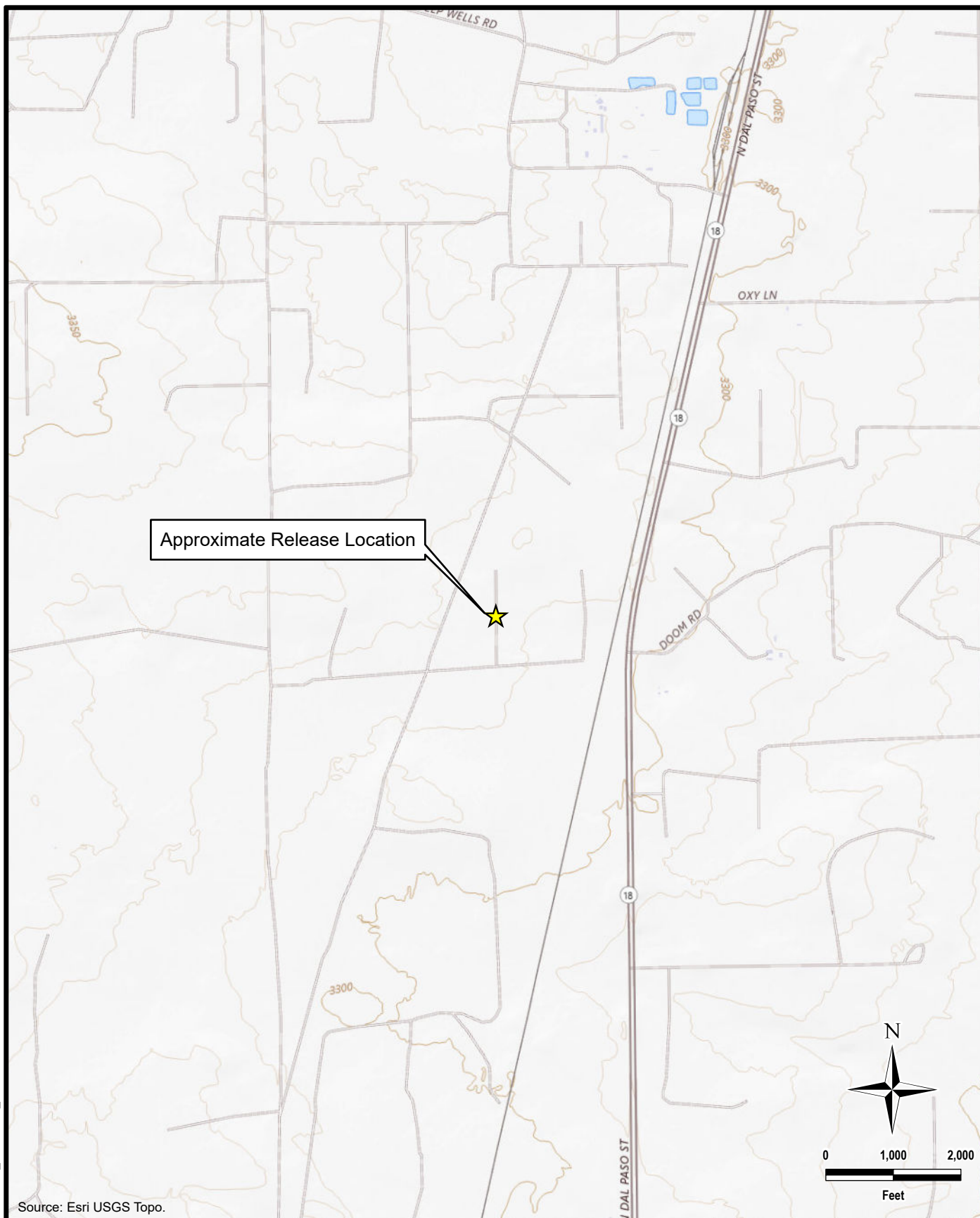
- Table 1 – Summary of Analytical Results – 2024 Soil Assessment
- Table 2 – Summary of Analytical Results – 2024 Soil Confirmation Sampling

Appendices:

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

FIGURES





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JR OIL, LTD. CO.

NAPP2332543477
(32.235424°, -103.199557°)
LEA COUNTY, NEW MEXICO

**MYERS LANGLEIE MATTIX UNIT #204
TOPOGRAPHIC MAP**

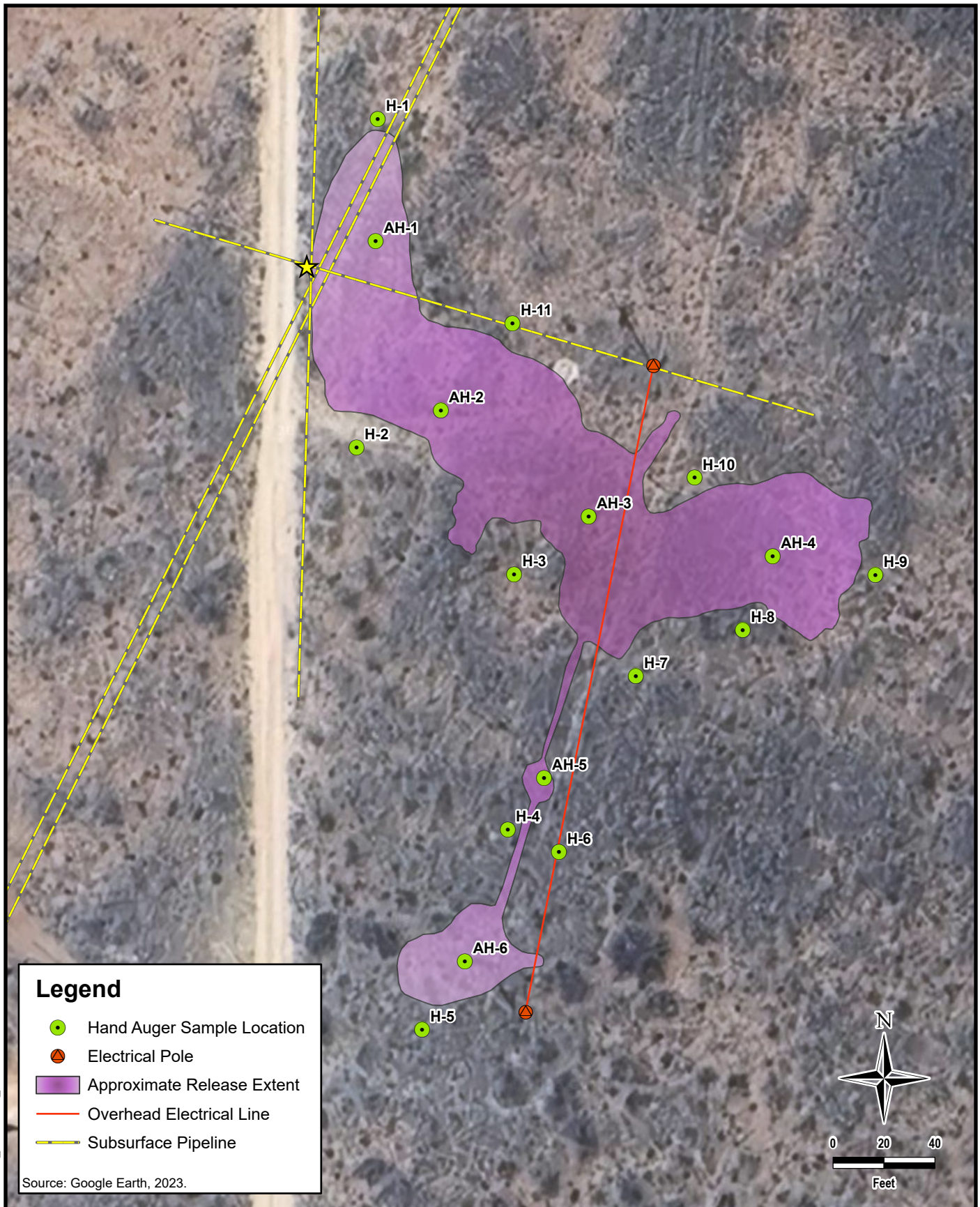
PROJECT NO.: 212C-MD-03339

DATE: JUNE 26, 2025

DESIGNED BY: LMV

Figure No.

2



Legend

- Hand Auger Sample Location
- Electrical Pole
- Approximate Release Extent
- Overhead Electrical Line
- - Subsurface Pipeline

Source: Google Earth, 2023.



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**MYERS LANGLIE MATTIX UNIT #204
SITE DELINEATION & ASSESSMENT MAP**

PROJECT NO.: 212C-MD-03339

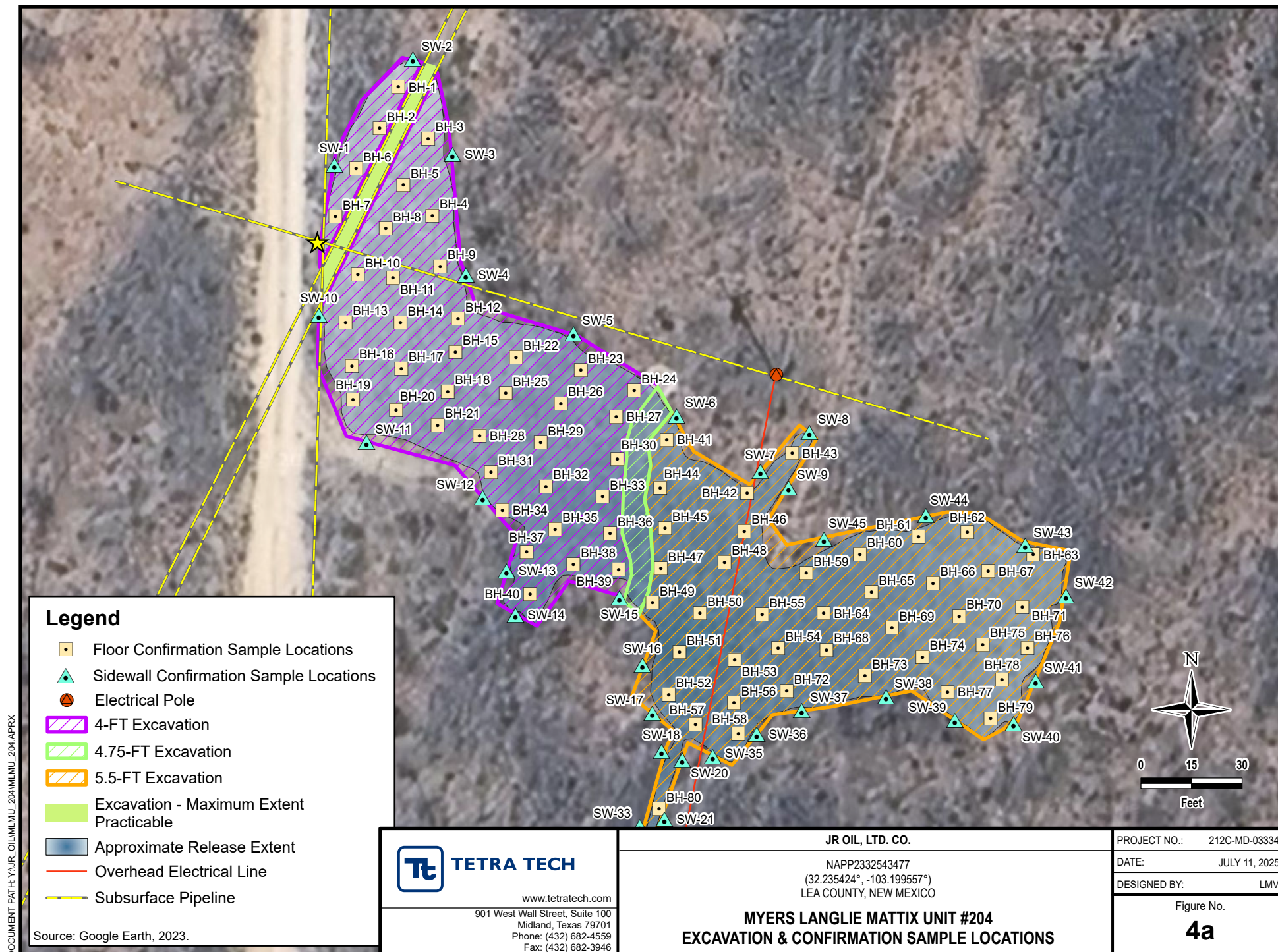
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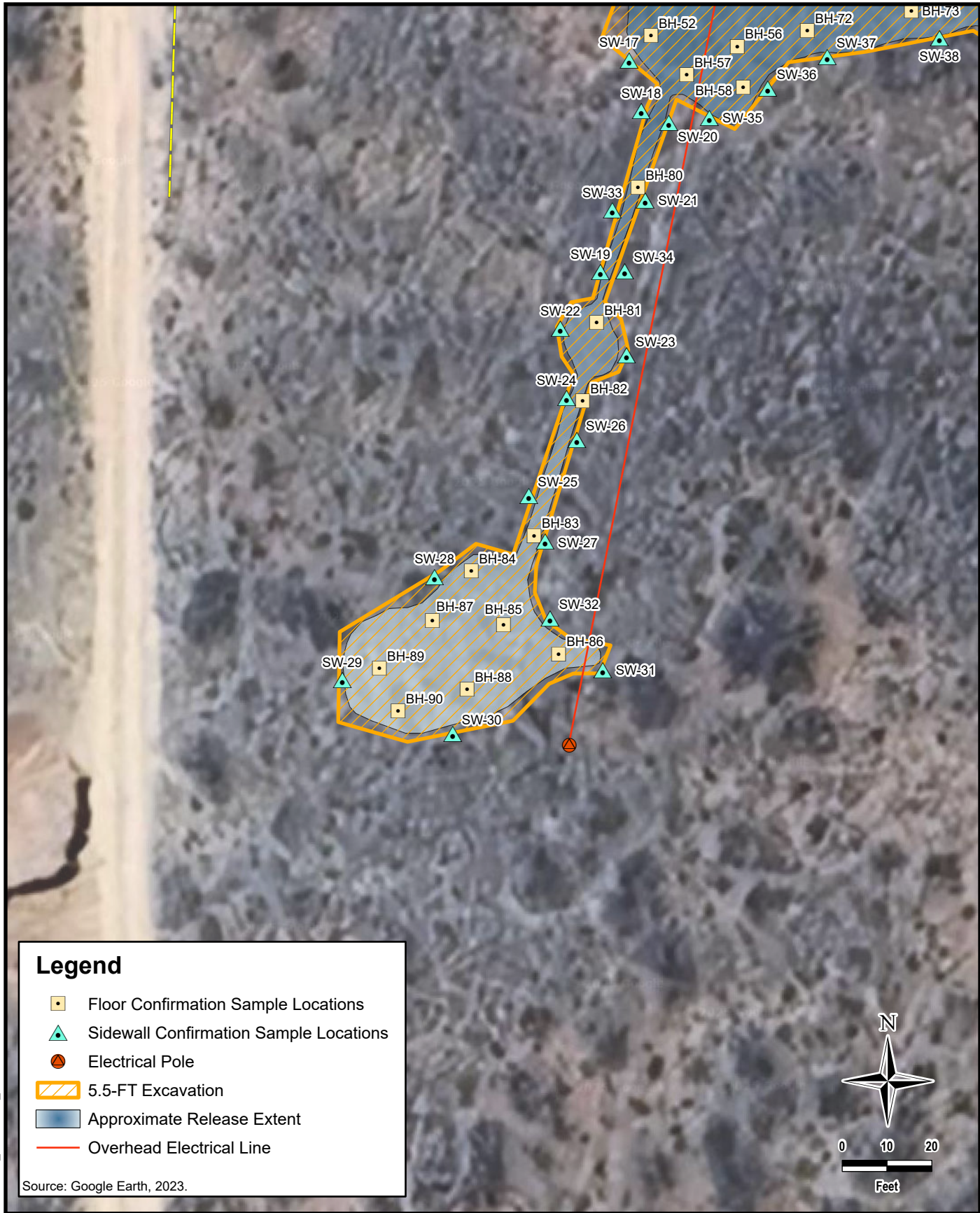
DESIGNED BY: LMV

Figure No.

3

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Legend

- Floor Confirmation Sample Locations
- ▲ Sidewall Confirmation Sample Locations
- Electrical Pole
- ▨ 5.5-FT Excavation
- Approximate Release Extent
- Overhead Electrical Line

Source: Google Earth, 2023.



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(32.235424°, -103.199557°)
LEA COUNTY, NEW MEXICO

**MYERS LANGLIE MATTIX UNIT #204
EXCAVATION & CONFIRMATION SAMPLE LOCATIONS**

PROJECT NO.: 212C-MD-03339

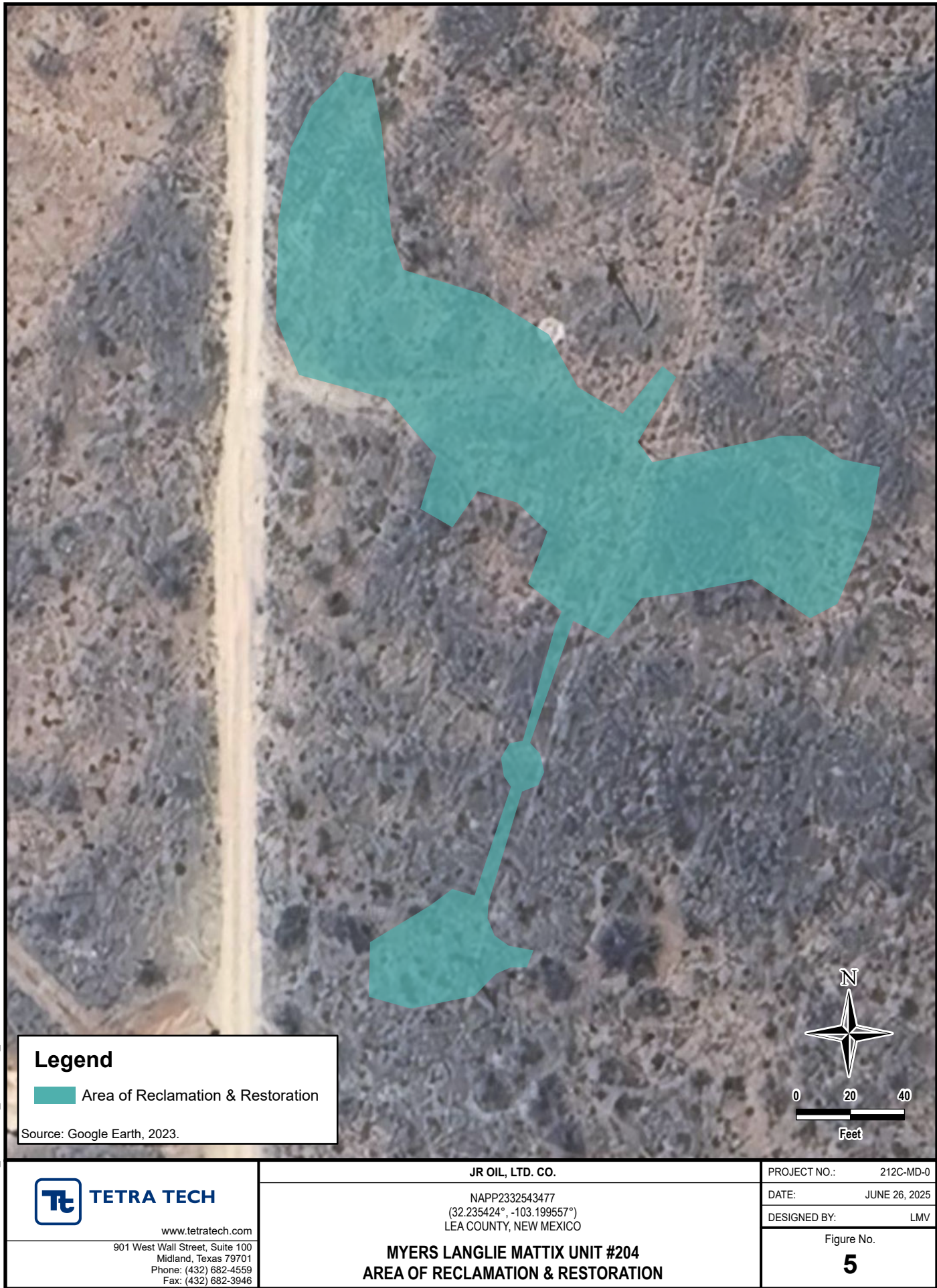
DATE: JULY 11, 2025

DESIGNED BY: LMV

Figure No.

4b

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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL ASSESSMENT - NAPP2332543477
JR Oil Ltd.
MLMU #204
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 (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		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		
AH-1	1/17/2024	1-1.5'	521		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.2		<50.2		<50.2			
		2-2.5'	1000		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.3		<50.3		<50.3			
		3-3.5'	1240		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.5		<50.5		<50.5			
AH-2	1/17/2024	1-1.5'	1330		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0			
		2-2.5'	1370		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8			
		3-3.5'	1250		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
AH-3	1/17/2024	1-1.5'	844		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.1		<50.1		<50.1			
		2-2.5'	813		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<50.4		<50.4		<50.4			
		3-3.5'	1310		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.5		<50.5		<50.5			
		4-4.5'	1680		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9			
AH-4	1/17/2024	1-1.5'	884		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.7		<49.7		<49.7			
		2-2.5'	1060		<0.00199		<0.00359		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7			
		3-3.5'	1870		<0.00198		<0.00257		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9			
	1/25/2024	4-4.5'	1250		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7			
AH-5	1/25/2024	1-1.5'	364		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
		2-2.5'	925		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.5		<50.5		<50.5			
AH-6	1/25/2024	1-1.5'	403		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.1		<50.1		<50.1			
		2-2.5'	845		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.2		<50.2		<50.2			
		3-3.5'	384		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.4		<50.4		<50.4			
		4-4.5'	786		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.5		<50.5		<50.5			
H-1	1/25/2024	1-1.5'	71		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8			
H-2	1/25/2024	1-1.5'	53		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.5		<50.5		<50.5			
H-3	1/25/2024	1-1.5'	84		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7			
H-4	1/25/2024	1-1.5'	72		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0			
H-5	1/25/2024	1-1.5'	63		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9			
H-6	1/25/2024	1-1.5'	55		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.6		<49.6		<49.6			
H-7	1/25/2024	1-1.5'	72		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.2		<50.2		<50.2			
H-8	1/25/2024	1-1.5'	11		<0.00567		<0.00200		<0.00200		<0.00399		<0.00567		<50.1		<50.1		<50.1			
H-9	1/25/2024	1-1.5'	113		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.4		<50.4		<50.4			
H-10	1/25/2024	1-1.5'	104		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0			
H-11	1/25/2024	1-1.5'	75		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			

NOTES:

ft. Feet

Bold and italicized values indicate exceedance of Site RRALs.

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method 300

2 Method 8021B

3 Method 8015M

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL CONFIRMATION SAMPLING - NAPP2332543477
JR Oil Ltd.
MLMU #204
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 (GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆					
BH-1	5/7/2024	4	4,400		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0			
BH-2	5/7/2024	4	10,000		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
BH-3	5/7/2024	4	2,040		<0.00199		<0.00199		<0.00199		0.00564		0.00564		<49.8		<49.8		<49.8			
BH-4	5/7/2024	4	3,530		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8			
BH-5	5/7/2024	4	4,180		<0.00201		<0.00201		<0.00201		0.00666		0.00666		<49.8		<49.8		<49.8			
BH-6	5/7/2024	4	7,280		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.7		<49.7		<49.7			
BH-7	5/7/2024	4	9,970		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.7		<49.7		<49.7			
BH-8	5/7/2024	4	8,820		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.6		<49.6		<49.6			
BH-9	5/7/2024	4	2,090		<0.00199		<0.00199		<0.00199		0.00857		0.00857		<49.8		<49.8		<49.8			
BH-10	5/7/2024	4	7,470		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9			
BH-11	5/7/2024	4	2,830		<0.00202		<0.00202		<0.00202		0.00605		0.00605		<49.9		<49.9		<49.9			
BH-12	5/7/2024	4	2,430		<0.00199		<0.00199		<0.00199		0.00864		0.00864		<50.0		<50.0		<50.0			
BH-13	5/7/2024	4	2,750		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0			
BH-14	5/7/2024	4	5,750		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8			
BH-15	5/7/2024	4	7,950		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7			
BH-16	5/7/2024	4	3,070		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8			
BH-17	5/7/2024	4	7,480		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<49.8		<49.8		<49.8			
BH-18	5/7/2024	4	13,600		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9			
BH-19	5/7/2024	4	1,390		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
BH-20	5/7/2024	4	367		<0.00198		<0.00198		<0.00198		<0.00397		<0.00397		<49.6		<49.6		<49.6			
BH-21	5/7/2024	4	1,700		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0			
BH-22	5/7/2024	4	9,790		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<49.8		<49.8		<49.8			
BH-23	5/7/2024	4	9,120		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.7		<49.7		<49.7			
BH-24	5/7/2024	4	11,800		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.8		<49.8		<49.8			
BH-25	5/7/2024	4	9,970		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
BH-26	5/7/2024	4	9,060		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9			
BH-27	5/7/2024	4	7,120		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
BH-28	5/7/2024	4	1,780		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0			
BH-29	5/7/2024	4	5,320		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
BH-30	5/7/2024	4	10,900		<0.00198		<0.00198		<0.00198		<0.00397		<0.00397		<49.6		<49.6		<49.6			
BH-31	5/7/2024	4	5,570		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.1		<50.1		<50.1			
BH-32	5/7/2024	4	5,450		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.6		<49.6		<49.6			
BH-33	5/7/2024	4	11,400		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7			
BH-34	5/7/2024	4	11,400		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8			
BH-35	5/7/2024	4	2,010		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
BH-36	5/7/2024	4	1,760		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9			
BH-37	5/7/2024	4	7,560		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<47.6		<47.6		<47.6			
BH-38	5/7/2024	4	2,150		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7			
BH-39	5/7/2024	4	9,830		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.7		<49.7		<49.7			

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL CONFIRMATION SAMPLING - NAPP2332543477
JR Oil Ltd.
MLMU #204
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	
		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	(GRO+DRO+EXT DRO)	
BH-40	5/7/2024	4	11,500		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.6		<49.6		<49.6		<49.6	
BH-41	9/20/2024	5.5	1,540		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8	
BH-42	12/18/2024	5.5	146		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9		<49.9	
BH-43	12/18/2024	5.5	3,160		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9	
BH-44	12/18/2024	5.5	133		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0	
BH-45	12/18/2024	5.5	120		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.9		<49.9		<49.9		<49.9	
BH-46	12/18/2024	5.5	132		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0		<50.0	
BH-47	12/18/2024	5.5	3,370		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9		<49.9	
BH-48	12/18/2024	5.5	165		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-49	12/18/2024	5.5	7,820		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9	
BH-50	12/18/2024	5.5	4,090		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<49.8		<49.8		<49.8		<49.8	
BH-51	12/18/2024	5.5	2,680		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.7		<49.7		<49.7		<49.7	
BH-52	12/18/2024	5.5	147		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.8		<49.8		<49.8		<49.8	
BH-53	9/26/2024	5.5	1,580		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
BH-54	9/25/2024	5.5	2,140		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.9		<49.9		<49.9		<49.9	
BH-55	9/25/2024	5.5	19		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8	
BH-56	9/25/2024	5.5	81		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.9		<49.9		<49.9		<49.9	
BH-57	9/25/2024	5.5	40		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0	
BH-58	9/25/2024	5.5	7		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7	
BH-59	9/25/2024	5.5	31		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.7		<49.7		<49.7		<49.7	
BH-60	9/26/2024	5.5	54		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8	
BH-61	9/26/2024	5.5	117		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-62	9/26/2024	5.5	12		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9	
BH-63	9/25/2024	5.5	21		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0	
BH-64	9/26/2024	5.5	4,170		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7	
BH-65	9/26/2024	5.5	43		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7		<49.7	
BH-66	9/26/2024	5.5	21		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8	
BH-67	9/25/2024	5.5	412		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0	
BH-68	9/25/2024	5.5	10		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
BH-69	9/25/2024	5.5	15		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.6		<49.6		<49.6		<49.6	
BH-70	9/26/2024	5.5	16		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.8		<49.8		<49.8		<49.8	
BH-71	9/25/2024	5.5	2,200		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8	
BH-72	9/25/2024	5.5	16		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9	
BH-73	9/26/2024	5.5	16		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.9		<49.9		<49.9		<49.9	
BH-74	9/25/2024	5.5	144		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-75	9/25/2024	5.5	13		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.7		<49.7		<49.7		<49.7	
BH-76	9/25/2024	5.5	20.1		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9	
BH-77	9/26/2024	5.5	13		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-78	9/25/2024	5.5	29		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8	
BH-79	9/25/2024	5.5	22		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8	
BH-80	9/25/2024	5.5	2,610		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-81	9/25/2024	5.5	10		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0	
BH-82	9/25/2024	5.5	15		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9		<49.9	
BH-83	10/18/2024	5.5	<9.96		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8	

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL CONFIRMATION SAMPLING - NAPP2332543477
JR Oil Ltd.
MLMU #204
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 (GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
BH-84	10/18/2024	5.5	49.5		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7	
BH-85	10/18/2024	5.5	33		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-86	10/18/2024	5.5	29		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8	
BH-87	10/18/2024	5.5	<10.1		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
BH-88	10/18/2024	5.5	<9.98		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9		<49.9	
BH-89	10/18/2024	5.5	<10.0		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
BH-90	10/18/2024	5.5	<10.0		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8	
BH-91	10/18/2024	5.5	<9.90		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8	
SW-1	5/7/2024	-	123		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8	
SW-2	5/7/2024	-	197		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.7		<49.7		<49.7		<49.7	
SW-3	5/7/2024	-	216		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.7		<49.7		<49.7		<49.7	
SW-4	5/7/2024	-	834		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.6		<49.6		<49.6		<49.6	
SW-4* (3')	9/20/2024	-	<4.99		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
SW-5	5/7/2024	-	656		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
SW-5* (3')	9/20/2024	-	5.70		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.9		<49.9		<49.9		<49.9	
SW-6	5/7/2024	-	182		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8	
SW-7	5/7/2024	-	195		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.9		<49.9		<49.9		<49.9	
SW-8	5/7/2024	-	93		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9	
SW-9	5/7/2024	-	881		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0	
SW-9* (3')	9/20/2024	-	6.92		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
SW-10	5/7/2024	-	212		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0	
SW-11	5/7/2024	-	197		<0.00198		<0.00198		<0.00198		<0.00397		<0.00397		<49.8		<49.8		<49.8		<49.8	
SW-12	5/7/2024	-	1,050		<0.00202		<0.00202		<0.00202		<0.00404		<0.00404		<49.7		<49.7		<49.7		<49.7	
SW-12* (3')	9/20/2024	-	<5.04		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<50.0		<50.0		<50.0		<50.0	
SW-13	5/7/2024	-	133		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7		<49.7	
SW-14	5/7/2024	-	988		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.6		<49.6		<49.6		<49.6	
SW-14* (3')	9/20/2024	-	<5.03		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.7		<49.7		<49.7		<49.7	
SW-15	5/7/2024	-	195.0		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.6		<49.6		<49.6		<49.6	
SW-16	5/7/2024	-	199.0		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8	
SW-17	9/20/2024	-	<5.00		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7		<49.7	
SW-18	9/20/2024	-	<5.00		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9		<49.9	

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL CONFIRMATION SAMPLING - NAPP2332543477
JR Oil Ltd.
MLMU #204
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 (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		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		
SW-19	9/20/2024	-	<5.01		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0			
SW-20	9/20/2024	-	6.26		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8			
SW-21	9/20/2024	-	<4.96		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
SW-22	9/20/2024	-	<4.95		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
SW-23	9/20/2024	-	<5.01		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8			
SW-24	9/20/2024	-	16.6		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.7		<49.7		<49.7			
SW-25	9/20/2024	-	<5.03		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<49.7		<49.7		<49.7			
SW-26	9/20/2024	-	<5.05		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0			
SW-27	9/20/2024	-	<4.98		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
SW-28	9/20/2024	-	<4.96		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
SW-29	9/20/2024	-	<5.04		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
SW-30	9/20/2024	-	<5.02		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9			
SW-31	9/20/2024	-	<5.05		<0.00199		<0.00199		0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
SW-32	9/20/2024	-	<4.98		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9			
SW-33	9/25/2024	-	<5.00		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9			
SW-34	9/25/2024	-	<5.04		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
SW-35	9/20/2024	-	<4.96		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
SW-36	9/20/2024	-	7.00		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8			
SW-37	9/20/2024	-	<5.04		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
SW-37	9/25/2024	-	<5.02		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8			
SW-38	9/20/2024	-	<5.02		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		50.4		<50.0			
SW-38	9/25/2024	-	<5.01		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7			
SW-39	9/20/2024	-	5.32		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0			
SW-39	9/25/2024	-	<5.03		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0			
SW-40	9/20/2024	-	<4.95		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0			
SW-40	9/25/2024	-	<5.02		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.6		<49.6		<49.6			
SW-41	9/20/2024	-	<5.03		<0.00202		<0.00202		<0.00202		<0.00403		<0.00403		<49.8		<49.8		<49.8			
SW-41	9/25/2024	-	<5.03		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8			
SW-42	9/20/2024	-	<5.05		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9			
SW-42	9/25/2024	-	<4.96		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.9		<49.9		<49.9			
SW-43	9/25/2024	-	<4.95		<0.00200		<0.00200		<0.00200		<0.00400		<0.00400		<49.8		<49.8		<49.8			
SW-44	9/25/2024	-	<4.96		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0			
SW-45	9/25/2024	-	<4.96		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.7		<49.7		<49.7			

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 300

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of Site RRLs.

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 ().

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 287663

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 287663
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Myers Langlie Mattix Unit Injection System
Date Release Discovered	11/20/2023
Surface Owner	Private

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	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 <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Coupling Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Injection Produced Water Released: 100 BBL Recovered: 2 BBL Lost: 98 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Coupling Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion Coupling Natural Gas Vented Released: 0 Mcf Recovered: 0 Mcf Lost: 0 Mcf.
Natural Gas Flared (Mcf) Details	Cause: Corrosion Coupling Natural Gas Flared Released: 0 Mcf Recovered: 0 Mcf Lost: 0 Mcf.
Other Released Details	Cause: Corrosion Coupling Unknown Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	NA

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QUESTIONS, Page 2

Action 287663

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 287663
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Josh Latimer
If YES, was immediate notice given to the OCD, to whom	ocd.enviro@state.nm.us
If YES, was immediate notice given to the OCD, when	11/21/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Email
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	Leak has been isolated and contained.

Per 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 287663

ACKNOWLEDGMENTS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 287663
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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CONDITIONS

Action 287663

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 287663
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlatimer2020	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/21/2023

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: MLMU #204

Date of Spill: 11/21/2023

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0000 BBL WATER: 100.0000 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations					Standing Liquid Calculations				
Total Surface Area	width	length	wet soil depth	oil (%)	Standing Liquid Area	width	length	liquid depth	oil (%)
Rectangle Area #1	72 ft X	225 ft X	2.71 in	0%	Rectangle Area #1	10 ft X	10 ft X	1 in	0%
Rectangle Area #2	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #2	0 ft X	0 ft X	0 in	0%
Rectangle Area #3	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #3	0 ft X	0 ft X	0 in	0%
Rectangle Area #4	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #4	0 ft X	0 ft X	0 in	0%
Rectangle Area #5	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #5	0 ft X	0 ft X	0 in	0%
Rectangle Area #6	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #6	0 ft X	0 ft X	0 in	0%
Rectangle Area #7	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #7	0 ft X	0 ft X	0 in	0%
Rectangle Area #8	0 ft X	0 ft X	0.00 in	0%	Rectangle Area #8	0 ft X	0 ft X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil BBL Water 0 BBL

Did leak occur before the separator?: ☐ YES ☒ N/A (place an "X")

Amount of Free Liquid Recovered: 2 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.15 gal per gal

Use the following when the spill wets the grains of the soil.

* sand = .08 gallon liquid per gallon volume of soil.

* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.

* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.

* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.

* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

Total Solid/Liquid Volume: 16,200 sq. ft. H2O 3,659 cu. ft. OIL cu. ft.

Estimated Volumes Spilled

Liquid in Soil: 97.7 BBL 0.0 BBL
Free Liquid: 2.1 BBL 0.0 BBL
Totals: 99.812 BBL 0.000 BBL

Total Liquid Spill Liquid: 100.000 BBL 0.000 BBL

Recovered Volumes

Estimated oil recovered: 0.0 BBL check - okay
Estimated water recovered: 2.0 BBL check - okay

Free Liquid Volume Calculations:

Total Free Liquid Volume: 100 sq. ft. H2O 11.667 cu. ft. OIL .000 cu. ft.

Estimated Production Volumes Lost

Estimated Production Spilled: ##### BBL 0.000000 BBL

Estimated Surface Damage

Surface Area: 16,200 sq. ft.

Surface Area: .3719 acre

Estimated Weights, and Volumes

Saturated Soil = 409,752 lbs 3,659 cu. ft. 136 cu. yds.
Total Liquid = 100 BBL 4,200.00 gallon 34,944 lbs

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QUESTIONS

Action 302030

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 302030
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332543477
Incident Name	NAPP2332543477 MYERS LANGLIE MATTIX UNIT INJECTION SYSTEM @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Myers Langlie Mattix Unit Injection System
Date Release Discovered	11/20/2023
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	Cause: Corrosion Coupling Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Injection Produced Water Released: 100 BBL Recovered: 2 BBL Lost: 98 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Coupling Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Corrosion Coupling Unknown Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	NA

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QUESTIONS, Page 2

Action 302030

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 302030
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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	Leak has been isolated and contained.

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: Joe Tippy Title: Manager Email: rtippy@ravenop.com Date: 01/12/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 302030

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 302030
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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	No
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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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 302030

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 302030
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/12/2024

APPENDIX B

Site Characterization Data

 An official website of the United States government [Here's how you know](#) 



MENU

IMPORTANT

[Inventory Page](#)



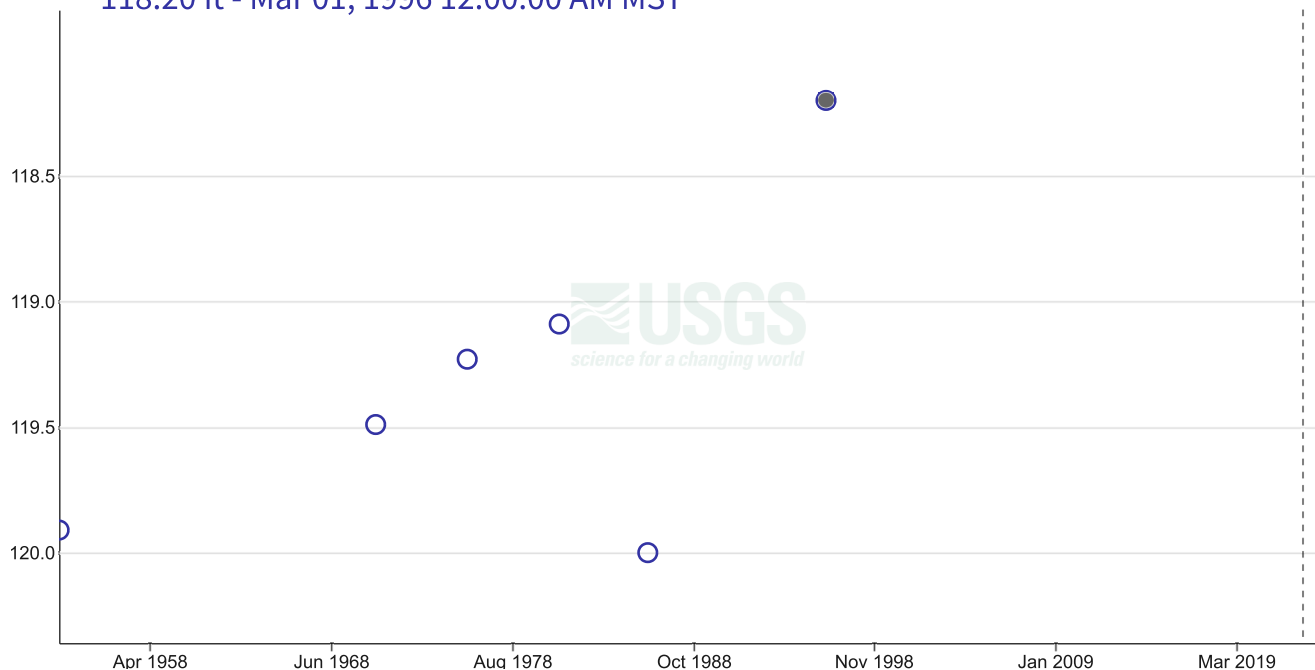
☐ 1 year ☐ 10 years ☒ Period of record

24S.37E.07.431244 - 321319103115701

March 6, 1953 - February 28, 2024

Depth to water level, ft below land surface

118.20 ft - Mar 01, 1996 12:00:00 AM MST



IMPORTANT

Data may be [provisional](#)

[Show legend](#) 

	Value	Status
☒ Selected Mar 01, 1996 12:00:00 AM MST	118.20 ft	Approved

[Hide graph details](#) 

Statistics are not currently supported for the data type:

[Hide statistics](#) 

Questions or Comments

Change
time span

Download
data

View
data records

Start typing a time code to filter the Time column:

Depth to water level, ft below land surface -- field visit data

Time ↓	Result	Accuracy	Approval	Qualifiers
1996-03-01T00:00:00.000-07:00	118.20	0.01	Approved	Static
1986-03-05T00:00:00.000-07:00	120.00	0.01	Approved	Static
1981-03-18T00:00:00.000-07:00	119.09	0.01	Approved	Static
1976-01-20T00:00:00.000-07:00	119.23	0.01	Approved	Static
1970-12-03T00:00:00.000-07:00	119.49	0.01	Approved	Static
1953-03-06T00:00:00.000-07:00	119.91	0.01	Approved	Static

Hide view data records ^

Select data to graph

☒ Depth to water level, ft below land surface

1953-03-06 to 1996-03-01

☐ Groundwater level above NAVD 1988, ft

1953-03-06 to 1996-03-01

☐ Groundwater level above NGVD 1929, feet

1953-03-06 to 1996-03-01

Monitoring camera

—

Groundwater data

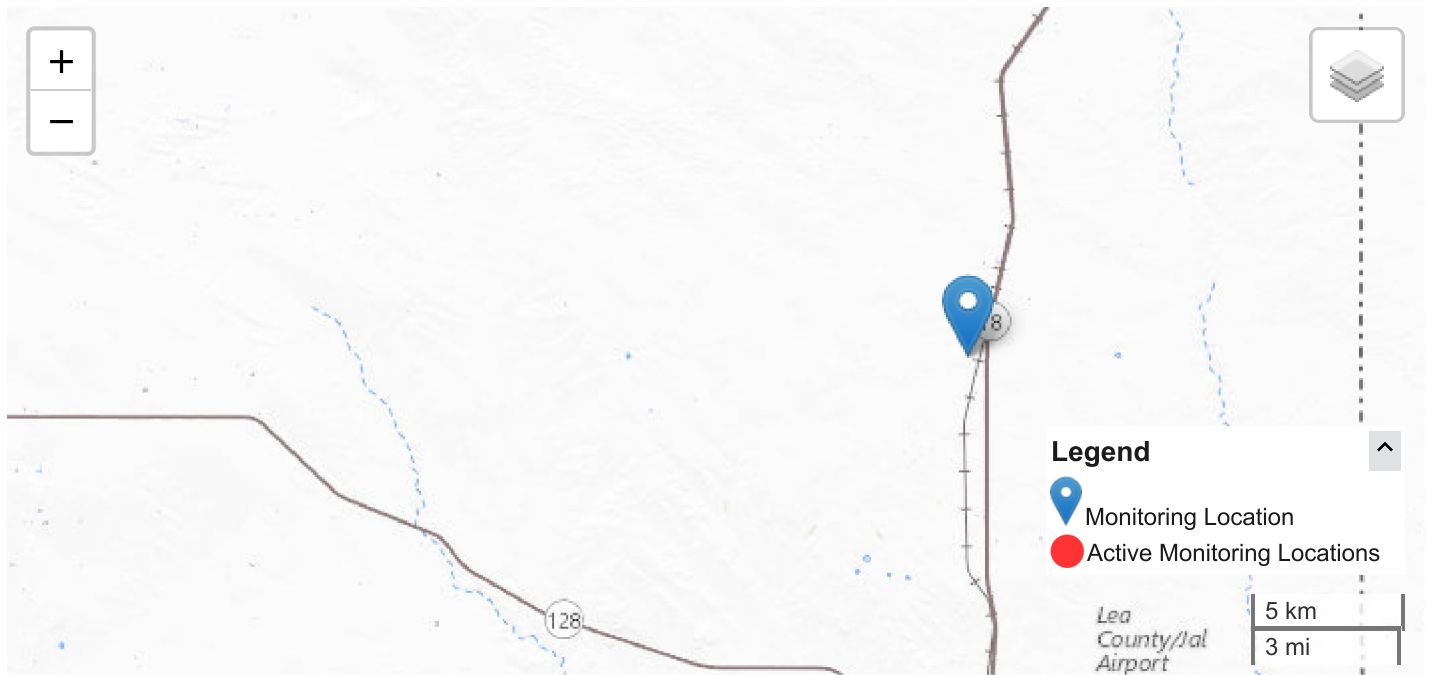
BETA

—

There are no cameras currently available at this monitoring location.

i Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Source: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset,...

Interested in understanding how to access the upstream/downstream data? [Learn about the Network-Linked Data Index \(NLDI\)](#)

Summary of available field and laboratory sample data

—

No sample data is available.

Summary of all available data

+

Location metadata

+

[DOI Privacy Policy](#) | [Legal](#) | [Accessibility](#) | [Site Map](#) | [Contact USGS](#)

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TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	JR Oil personnel using hand tools to open the well for gauging purposes.	1
	SITE NAME	JR Oil Ltd. MLMU #204	3/9/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View of open well with total depth of well at approximately 165 ft below height of casing.	2
	SITE NAME	JR Oil Ltd. MLMU #204	3/9/2024



Agregar una leyenda

Sábado, 9 de marzo de 2024, 09:23

Ajustar

IMG_3301

Apple iPhone 12 Pro Max

HEIF

Cámara gran angular — 26 mm f1.6

12 MP • 3024 x 4032 • 1.9 MB

ISO 32

25 mm

0 ev

f1.6

1/628 s

Agregar una ubicación...

Share icon

Heart icon

Info icon

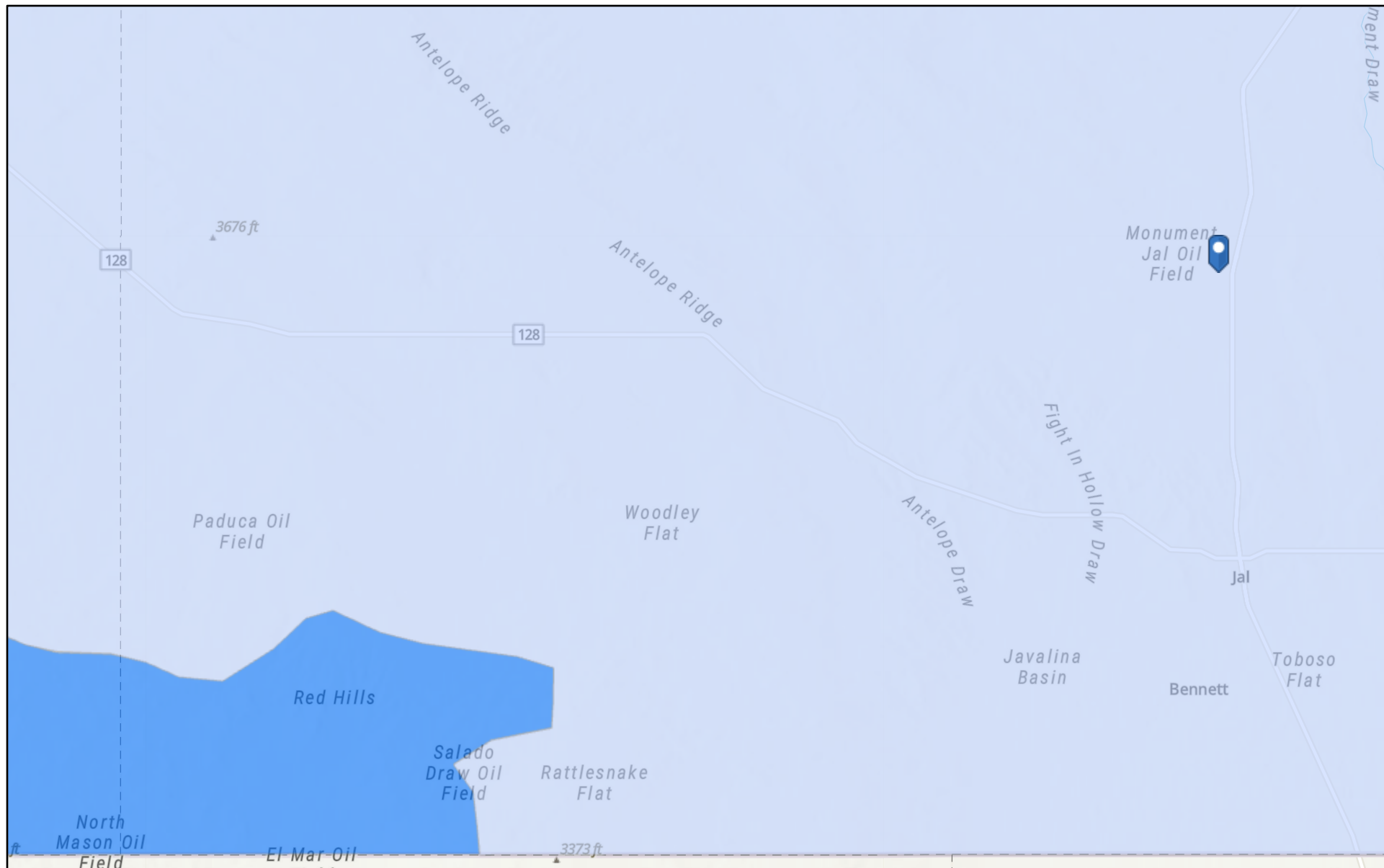
Trash icon

TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	Photo details with date for record (in Spanish Marzo translates to March).	3
	SITE NAME	JR Oil Ltd. MLMU #204	3/9/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	Depth to water gauged at approximately 118 feet below height of casing.	4
	SITE NAME	JR Oil Ltd. MLMU #204	3/9/2024

OCD Karst Areas

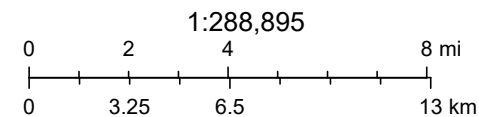


6/20/2025, 1:40:25 PM

Karst Occurrence Potential

Low

Medium

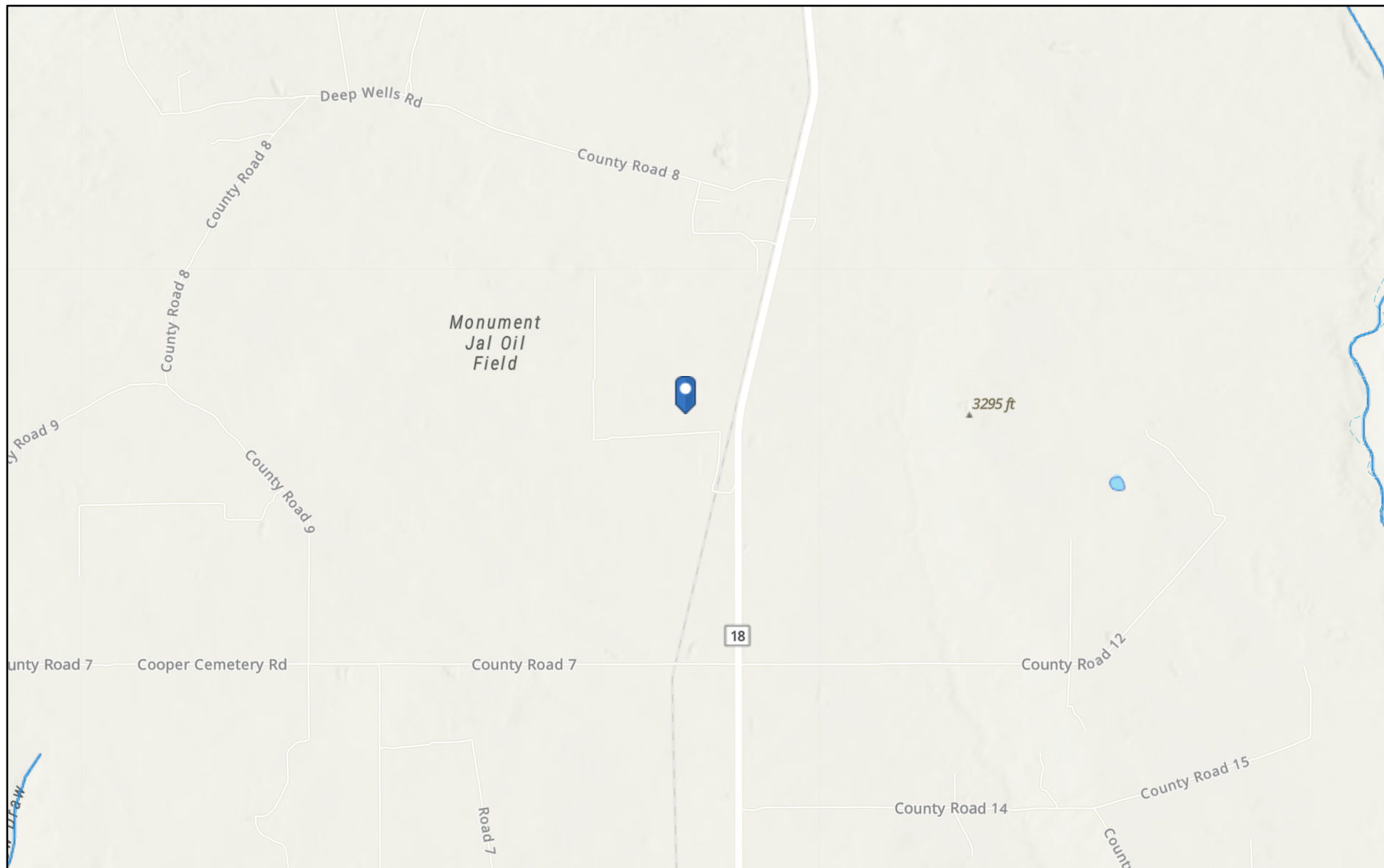


BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and

New Mexico Oil Conservation Division

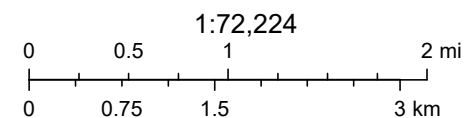
NM OCD Oil and Gas Map. <http://nm-ernrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

OCD Water Bodies



6/20/2025, 1:41:28 PM

-  OSW Water Bodys
-  OSE Streams

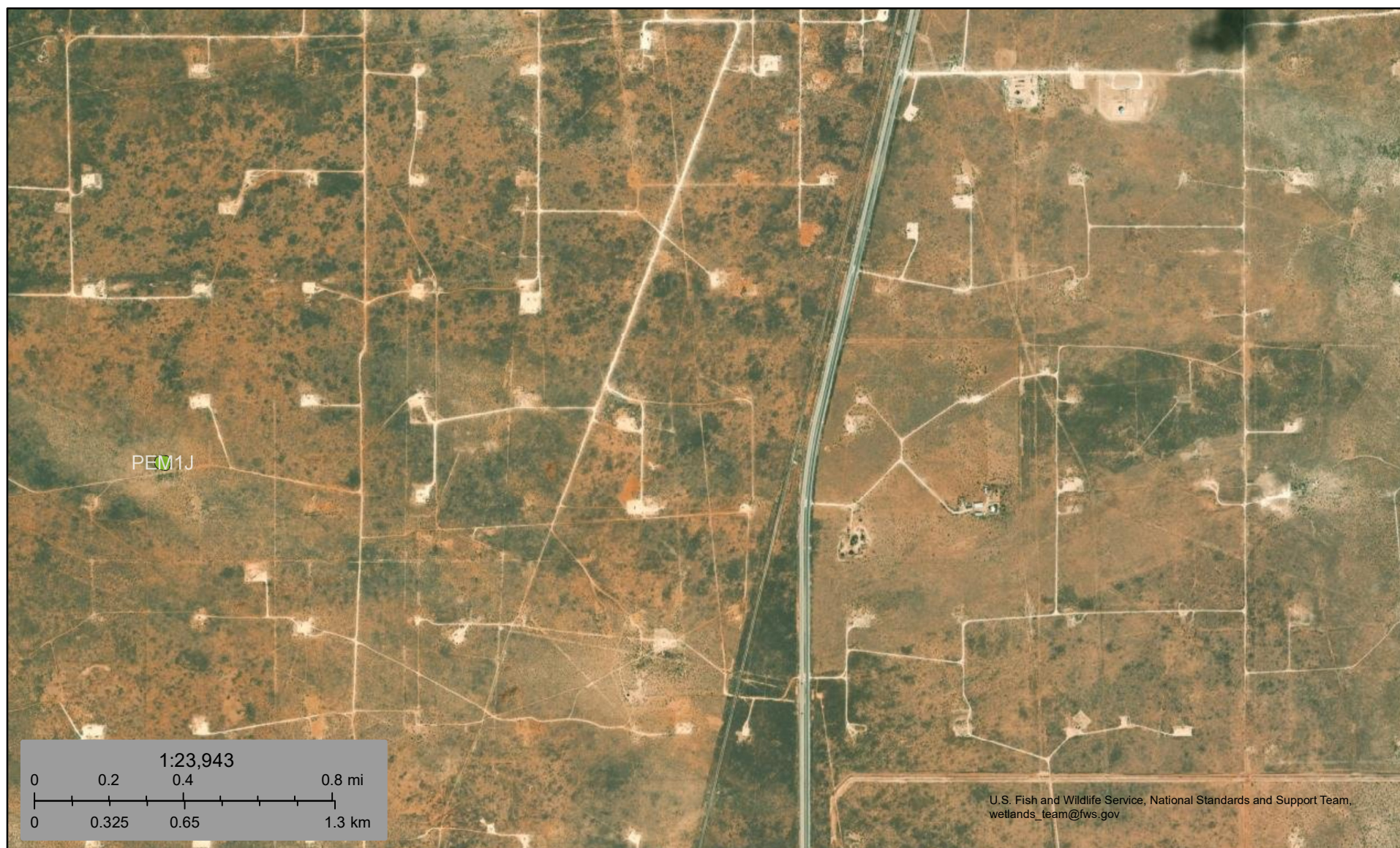


Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community,

New Mexico Oil Conservation Division



National Wetland Inventory Map



June 20, 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 Flood Hazard Layer FIRMette



103°12'17"W 32°14'23"N



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

1:6,000

103°11'40"W 32°13'52"N

Released to Imaging: 8/15/2025 8:15:20 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



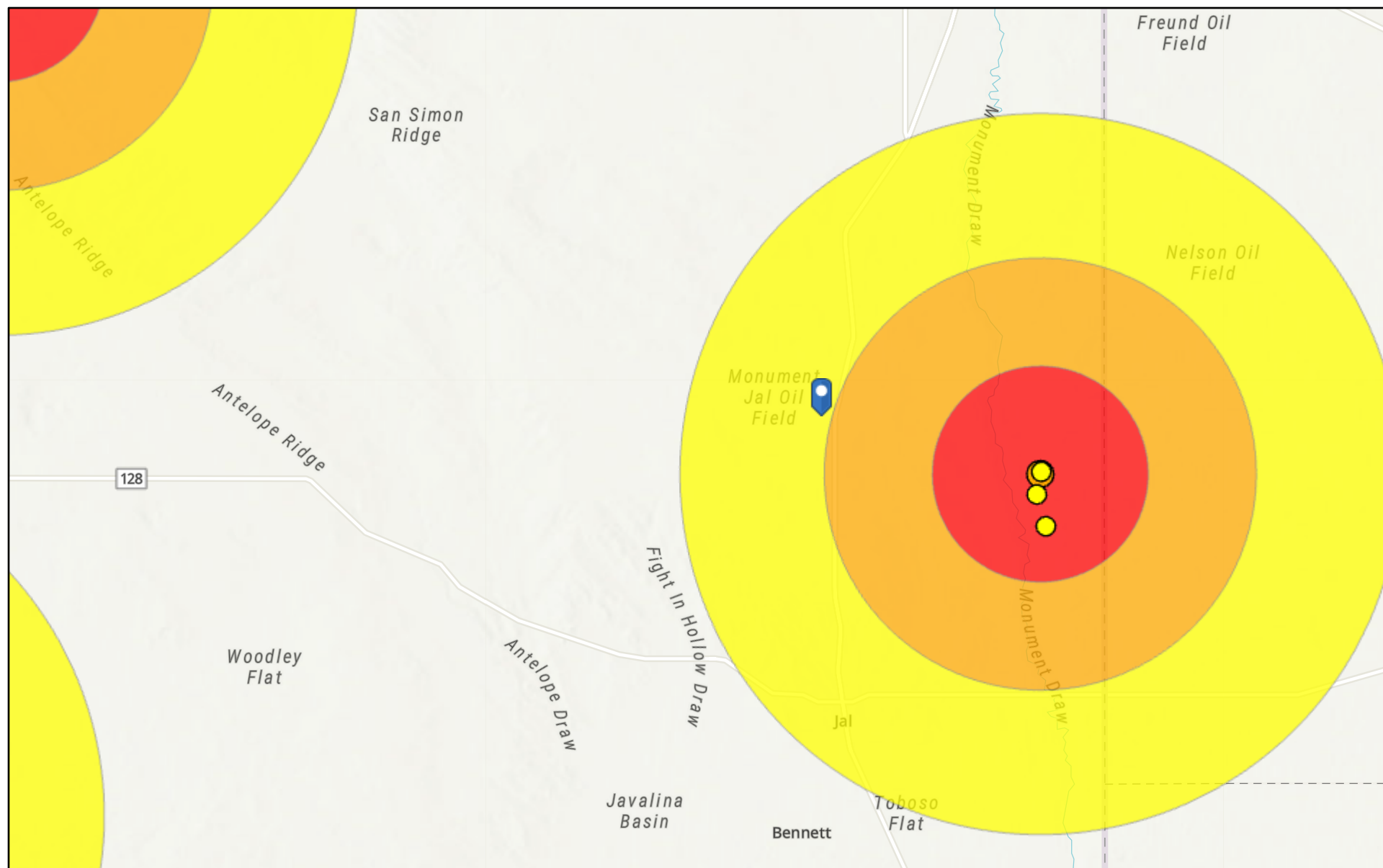
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/20/2025 at 6:53 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.

OCD Induced Seismicity



6/20/2025, 1:38:00 PM

Seismic Response 3.0 to 3.4

3 mi.

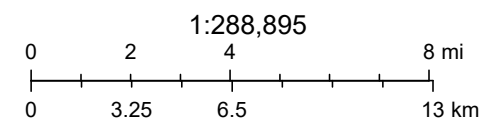
6 mi.

10 mi.

M2.5+ Earthquakes (2021+)

2.5 - 2.9

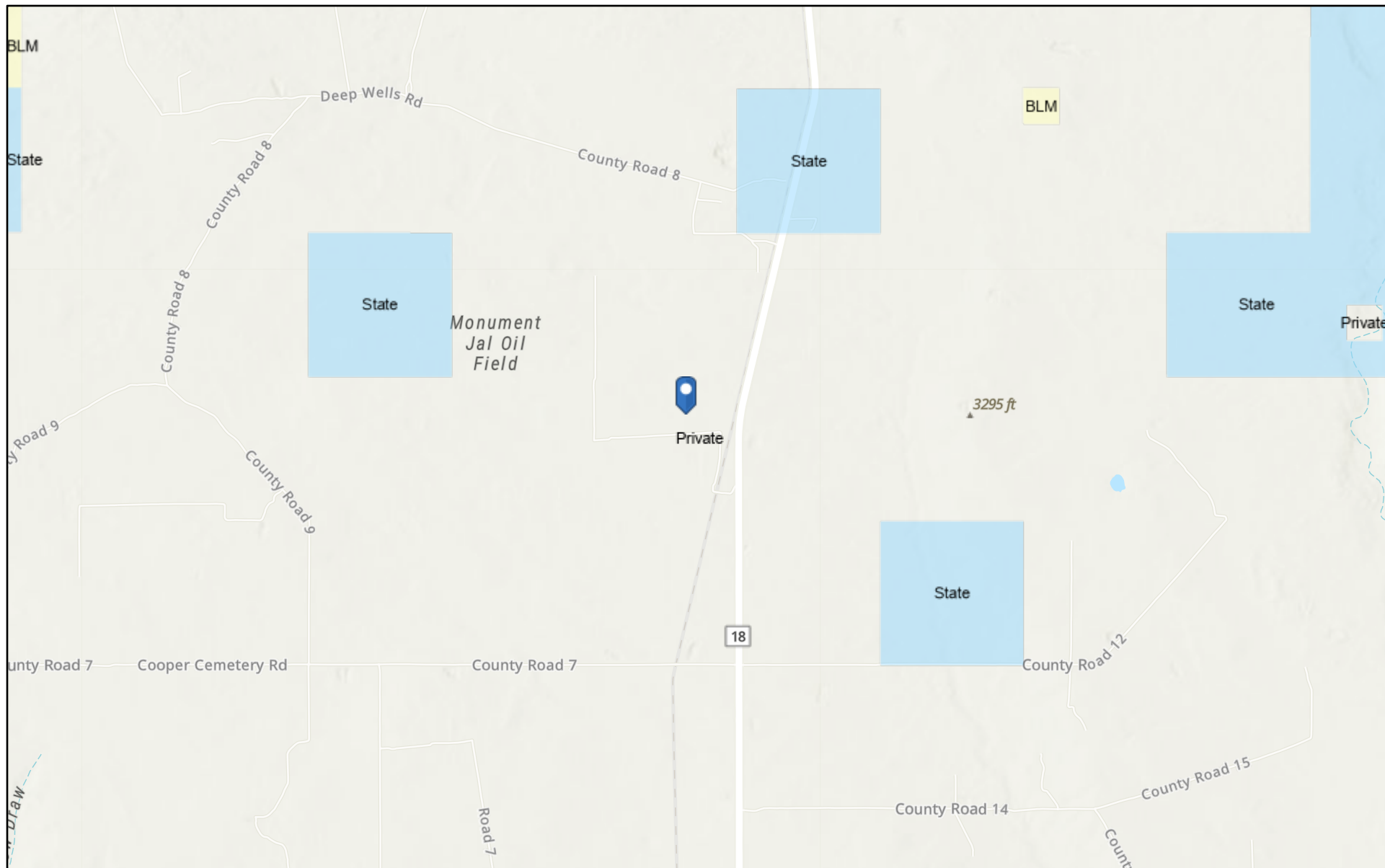
3.0 - 3.4



Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, NASA, NGA, USGS, Sources: Esri, TomTom,

New Mexico Oil Conservation Division

OCD Land Ownership



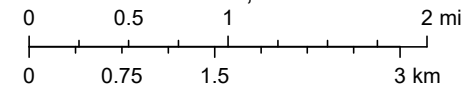
6/20/2025, 1:48:10 PM

Land Ownership

P S

BLM

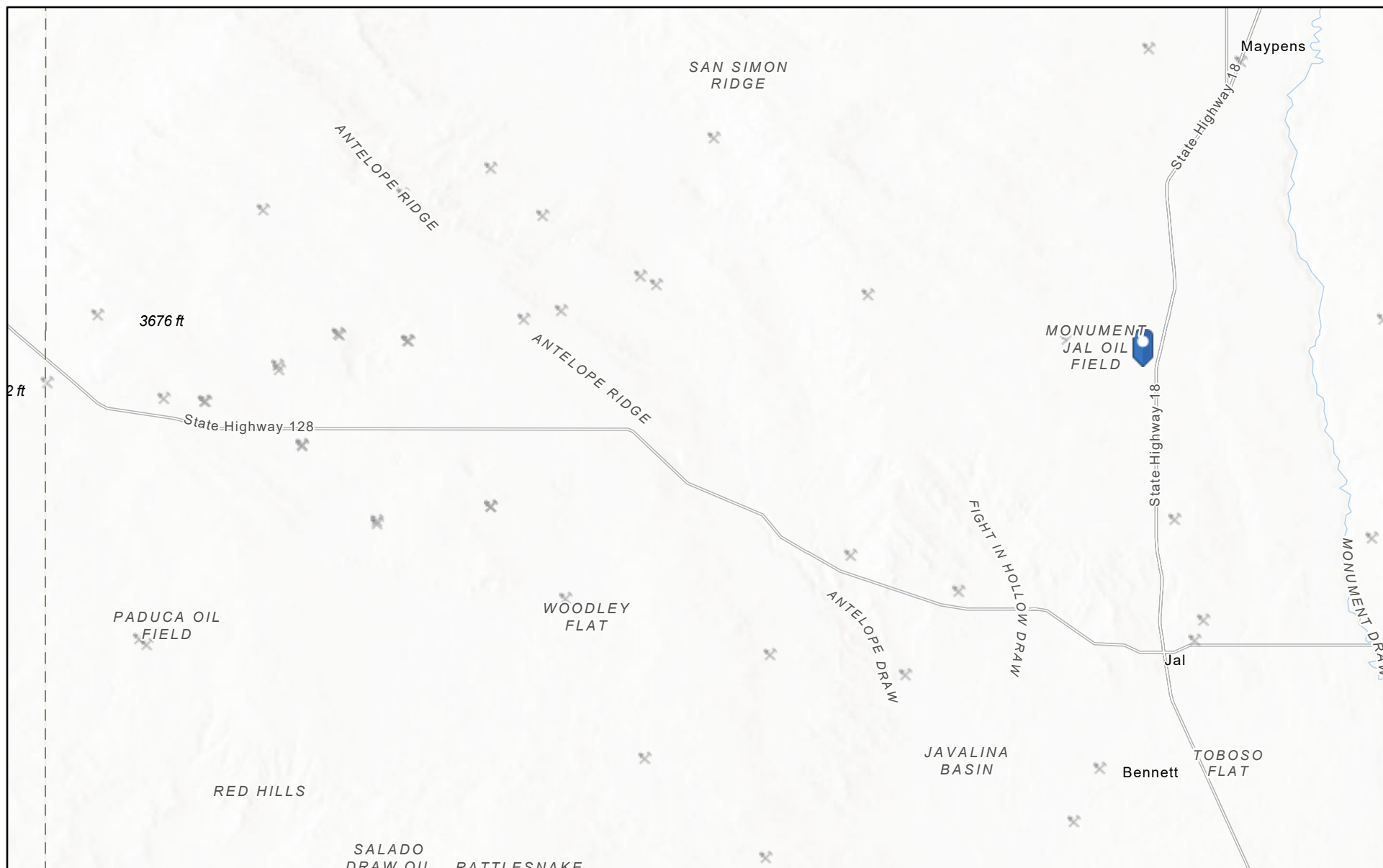
1:72,224



U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User

New Mexico Oil Conservation Division

Active Mines in New Mexico



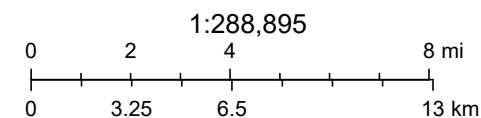
6/20/2025, 1:49:59 PM

Registered Mines

x Aggregate, Stone etc.

x Aggregate, Stone etc.

x Aggregate, Stone etc.



Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/29/2024 1:53:59 PM

JOB DESCRIPTION

MLMU #204
Eddy Co, NM

JOB NUMBER

880-38173-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

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
1/29/2024 1:53:59 PM

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

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Laboratory Job ID: 880-38173-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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 #204

Job ID: 880-38173-1

Job ID: 880-38173-1

Eurofins Midland

Job Narrative
880-38173-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 1/19/2024 12:30 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 5.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: AH-1 (1'-1.5') (880-38173-1), AH-1 (2'-2.5') (880-38173-2), AH-1 (3'-3.5') (880-38173-3), AH-2 (1'-1.5') (880-38173-4), AH-2 (2'-2.5') (880-38173-5), AH-2 (3'-3.5') (880-38173-6), AH-3 (1'-1.5') (880-38173-7), AH-3 (2'-2.5') (880-38173-8), AH-3 (3'-3.5') (880-38173-9), AH-3 (4'-4.5') (880-38173-10), AH-4 (1'-1.5') (880-38173-11), AH-4 (2'-2.5') (880-38173-12) and AH-4 (3'-3.5') (880-38173-13).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-71138 and analytical batch 880-71153 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71146 and analytical batch 880-71763 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 duplicate (LCSD) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-71146 and analytical batch 880-71763 was outside the control limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-71146 and analytical batch 880-71763 recovered outside control limits for the following analytes: Ethylbenzene and m-Xylene & p-Xylene.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71218 and analytical batch 880-71261 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: The continuing calibration verification (CCV) associated with batch 880-71261 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). 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 880-71261/31) and (CCV 880-71261/47).

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: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-71374 and analytical batch 880-71560 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data

Eurofins Midland

Case Narrative

Client: Tetra Tech, Inc.
Project: MLMU #204

Job ID: 880-38173-1

Job ID: 880-38173-1 (Continued) **Eurofins Midland**

have been reported and qualified.

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

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-38173-1

Date Collected: 01/17/24 12:00

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 11:18	1
Toluene	<0.00199	U *	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:18	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:18	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		01/19/24 16:42	01/28/24 11:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/24 16:42	01/28/24 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/19/24 16:42	01/28/24 11:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/19/24 16:42	01/28/24 11:18	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			01/28/24 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			01/20/24 23:39	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	<50.2	U	50.2		mg/Kg		01/19/24 14:35	01/20/24 23:39	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/19/24 14:35	01/20/24 23:39	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/19/24 14:35	01/20/24 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	01/19/24 14:35	01/20/24 23:39	1
o-Terphenyl	85		70 - 130	01/19/24 14:35	01/20/24 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	521		4.99		mg/Kg			01/24/24 17:52	1

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-38173-2

Date Collected: 01/17/24 12:03

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 11:44	1
Toluene	<0.00199	U *	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:44	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:44	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		01/19/24 16:42	01/28/24 11:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/24 16:42	01/28/24 11:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/24 16:42	01/28/24 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/19/24 16:42	01/28/24 11:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/19/24 16:42	01/28/24 11:44	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-38173-2

Date Collected: 01/17/24 12:03

Matrix: Solid

Date Received: 01/19/24 12:30

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			01/28/24 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/21/24 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	<50.3	U	50.3		mg/Kg		01/19/24 14:35	01/21/24 00:00	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/19/24 14:35	01/21/24 00:00	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/19/24 14:35	01/21/24 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				01/19/24 14:35	01/21/24 00:00	1
o-Terphenyl	93		70 - 130				01/19/24 14:35	01/21/24 00:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		5.03		mg/Kg			01/24/24 17:57	1

Client Sample ID: AH-1 (3'-3.5')

Lab Sample ID: 880-38173-3

Date Collected: 01/17/24 12:06

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 12:11	1
Toluene	<0.00200	U *	0.00200		mg/Kg		01/19/24 16:42	01/28/24 12:11	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/19/24 16:42	01/28/24 12:11	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		01/19/24 16:42	01/28/24 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 12:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/24 16:42	01/28/24 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/19/24 16:42	01/28/24 12:11	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/19/24 16:42	01/28/24 12:11	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			01/28/24 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/21/24 00:21	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	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 00:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 00:21	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-1 (3'-3.5')

Lab Sample ID: 880-38173-3

Date Collected: 01/17/24 12:06

Matrix: Solid

Date Received: 01/19/24 12:30

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)	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				01/19/24 14:35	01/21/24 00:21	1
o-Terphenyl	91		70 - 130				01/19/24 14:35	01/21/24 00:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		4.97		mg/Kg			01/24/24 18:02	1

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-38173-4

Date Collected: 01/17/24 12:09

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 12:37	1
Toluene	<0.00201	U *	0.00201		mg/Kg		01/19/24 16:42	01/28/24 12:37	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		01/19/24 16:42	01/28/24 12:37	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		01/19/24 16:42	01/28/24 12:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/24 16:42	01/28/24 12:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/24 16:42	01/28/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/19/24 16:42	01/28/24 12:37	1
1,4-Difluorobenzene (Surr)	114		70 - 130				01/19/24 16:42	01/28/24 12:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/28/24 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			01/21/24 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		01/19/24 14:35	01/21/24 00:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/21/24 00:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/21/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				01/19/24 14:35	01/21/24 00:43	1
o-Terphenyl	88		70 - 130				01/19/24 14:35	01/21/24 00:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		24.8		mg/Kg			01/24/24 18:07	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-38173-5

Date Collected: 01/17/24 12:12

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 13:03	1
Toluene	<0.00200	U *	0.00200		mg/Kg		01/19/24 16:42	01/28/24 13:03	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/19/24 16:42	01/28/24 13:03	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		01/19/24 16:42	01/28/24 13:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 13:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/24 16:42	01/28/24 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/19/24 16:42	01/28/24 13:03	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/19/24 16:42	01/28/24 13:03	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			01/28/24 13:03	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			01/21/24 01:28	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		01/19/24 14:35	01/21/24 01:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/19/24 14:35	01/21/24 01:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/19/24 14:35	01/21/24 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	01/19/24 14:35	01/21/24 01:28	1
o-Terphenyl	87		70 - 130	01/19/24 14:35	01/21/24 01:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		5.01		mg/Kg			01/24/24 18:13	1

Client Sample ID: AH-2 (3'-3.5')

Lab Sample ID: 880-38173-6

Date Collected: 01/17/24 12:15

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 13:29	1
Toluene	<0.00199	U *	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:29	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:29	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		01/19/24 16:42	01/28/24 13:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/24 16:42	01/28/24 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/19/24 16:42	01/28/24 13:29	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/19/24 16:42	01/28/24 13:29	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-2 (3'-3.5')

Lab Sample ID: 880-38173-6

Date Collected: 01/17/24 12:15

Matrix: Solid

Date Received: 01/19/24 12:30

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			01/28/24 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	<50.0	U	50.0		mg/Kg			01/21/24 01:51	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		01/19/24 14:35	01/21/24 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/21/24 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/21/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				01/19/24 14:35	01/21/24 01:51	1
o-Terphenyl	85		70 - 130				01/19/24 14:35	01/21/24 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		4.98		mg/Kg			01/25/24 12:48	1

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-38173-7

Date Collected: 01/17/24 12:18

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 13:55	1
Toluene	<0.00199	U *	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:55	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:55	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		01/19/24 16:42	01/28/24 13:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/24 16:42	01/28/24 13:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/24 16:42	01/28/24 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				01/19/24 16:42	01/28/24 13:55	1
1,4-Difluorobenzene (Surr)	75		70 - 130				01/19/24 16:42	01/28/24 13:55	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			01/28/24 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/21/24 02:15	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	<50.1	U	50.1		mg/Kg		01/19/24 14:35	01/21/24 02:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/19/24 14:35	01/21/24 02:15	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-38173-7

Date Collected: 01/17/24 12:18

Matrix: Solid

Date Received: 01/19/24 12:30

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)	<50.1	U	50.1		mg/Kg		01/19/24 14:35	01/21/24 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				01/19/24 14:35	01/21/24 02:15	1
o-Terphenyl	97		70 - 130				01/19/24 14:35	01/21/24 02:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	844		5.00		mg/Kg			01/25/24 13:06	1

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-38173-8

Date Collected: 01/17/24 12:20

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 14:22	1
Toluene	<0.00198	U *	0.00198		mg/Kg		01/19/24 16:42	01/28/24 14:22	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		01/19/24 16:42	01/28/24 14:22	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		01/19/24 16:42	01/28/24 14:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/19/24 16:42	01/28/24 14:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/19/24 16:42	01/28/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				01/19/24 16:42	01/28/24 14:22	1
1,4-Difluorobenzene (Surr)	123		70 - 130				01/19/24 16:42	01/28/24 14:22	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			01/28/24 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/21/24 02:39	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	<50.4	U	50.4		mg/Kg		01/19/24 14:35	01/21/24 02:39	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/19/24 14:35	01/21/24 02:39	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/19/24 14:35	01/21/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				01/19/24 14:35	01/21/24 02:39	1
o-Terphenyl	110		70 - 130				01/19/24 14:35	01/21/24 02:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	813		4.95		mg/Kg			01/25/24 13:11	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-3 (3'-3.5')

Lab Sample ID: 880-38173-9

Date Collected: 01/17/24 12:23

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 14:48	1
Toluene	<0.00200	U *	0.00200		mg/Kg		01/19/24 16:42	01/28/24 14:48	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/19/24 16:42	01/28/24 14:48	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		01/19/24 16:42	01/28/24 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 14:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/24 16:42	01/28/24 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	01/19/24 16:42	01/28/24 14:48	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/19/24 16:42	01/28/24 14:48	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			01/28/24 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/21/24 03:03	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	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 03:03	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 03:03	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/19/24 14:35	01/21/24 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	01/19/24 14:35	01/21/24 03:03	1
o-Terphenyl	109		70 - 130	01/19/24 14:35	01/21/24 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		25.0		mg/Kg			01/25/24 13:17	5

Client Sample ID: AH-3 (4'-4.5')

Lab Sample ID: 880-38173-10

Date Collected: 01/17/24 12:26

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 16:42	01/28/24 15:14	1
Toluene	<0.00200	U *	0.00200		mg/Kg		01/19/24 16:42	01/28/24 15:14	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/19/24 16:42	01/28/24 15:14	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		01/19/24 16:42	01/28/24 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 15:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/24 16:42	01/28/24 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	01/19/24 16:42	01/28/24 15:14	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/19/24 16:42	01/28/24 15:14	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-3 (4'-4.5')

Lab Sample ID: 880-38173-10

Date Collected: 01/17/24 12:26

Matrix: Solid

Date Received: 01/19/24 12:30

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			01/28/24 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	<49.9	U	49.9		mg/Kg			01/21/24 03:27	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		01/19/24 14:35	01/21/24 03:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/24 14:35	01/21/24 03:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/24 14:35	01/21/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				01/19/24 14:35	01/21/24 03:27	1
o-Terphenyl	107		70 - 130				01/19/24 14:35	01/21/24 03:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1680		25.2		mg/Kg			01/25/24 13:23	5

Client Sample ID: AH-4 (1'-1.5')

Lab Sample ID: 880-38173-11

Date Collected: 01/17/24 12:36

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 15:08	01/20/24 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/24 15:08	01/20/24 04:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/24 15:08	01/20/24 04:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/24 15:08	01/20/24 04:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 15:08	01/20/24 04:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/24 15:08	01/20/24 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				01/19/24 15:08	01/20/24 04:33	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/19/24 15:08	01/20/24 04:33	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			01/20/24 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/21/24 03:51	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	<49.7	U	49.7		mg/Kg		01/19/24 14:35	01/21/24 03:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/19/24 14:35	01/21/24 03:51	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-4 (1'-1.5')

Lab Sample ID: 880-38173-11

Date Collected: 01/17/24 12:36

Matrix: Solid

Date Received: 01/19/24 12:30

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)	<49.7	U	49.7		mg/Kg		01/19/24 14:35	01/21/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				01/19/24 14:35	01/21/24 03:51	1
o-Terphenyl	94		70 - 130				01/19/24 14:35	01/21/24 03:51	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	884		4.97		mg/Kg			01/25/24 13:39	1

Client Sample ID: AH-4 (2'-2.5')

Lab Sample ID: 880-38173-12

Date Collected: 01/17/24 12:40

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 15:08	01/20/24 04:53	1
Toluene	0.00359		0.00199		mg/Kg		01/19/24 15:08	01/20/24 04:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/24 15:08	01/20/24 04:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/24 15:08	01/20/24 04:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/24 15:08	01/20/24 04:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/24 15:08	01/20/24 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/19/24 15:08	01/20/24 04:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130				01/19/24 15:08	01/20/24 04:53	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			01/20/24 04:53	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			01/21/24 04:16	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		01/19/24 14:35	01/21/24 04:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/19/24 14:35	01/21/24 04:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/19/24 14:35	01/21/24 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				01/19/24 14:35	01/21/24 04:16	1
o-Terphenyl	91		70 - 130				01/19/24 14:35	01/21/24 04:16	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		4.96		mg/Kg			01/25/24 13:45	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-4 (3'-3.5')

Lab Sample ID: 880-38173-13

Date Collected: 01/17/24 12:43

Matrix: Solid

Date Received: 01/19/24 12:30

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		01/19/24 15:08	01/20/24 05:14	1
Toluene	0.00257		0.00198		mg/Kg		01/19/24 15:08	01/20/24 05:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/19/24 15:08	01/20/24 05:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/19/24 15:08	01/20/24 05:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/19/24 15:08	01/20/24 05:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/19/24 15:08	01/20/24 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/19/24 15:08	01/20/24 05:14	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/19/24 15:08	01/20/24 05:14	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			01/20/24 05:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/21/24 04:41	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		01/19/24 14:35	01/21/24 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/24 14:35	01/21/24 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/24 14:35	01/21/24 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	01/19/24 14:35	01/21/24 04:41	1
o-Terphenyl	89		70 - 130	01/19/24 14:35	01/21/24 04:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		24.9		mg/Kg			01/25/24 13:50	5

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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)
880-38112-A-61-C MS	Matrix Spike	115	111
880-38112-A-61-D MSD	Matrix Spike Duplicate	109	109
880-38172-A-1-A MS	Matrix Spike	118	122
880-38172-A-1-B MSD	Matrix Spike Duplicate	105	112
880-38173-1	AH-1 (1'-1.5')	96	98
880-38173-2	AH-1 (2'-2.5')	98	101
880-38173-3	AH-1 (3'-3.5')	107	94
880-38173-4	AH-2 (1'-1.5')	108	114
880-38173-5	AH-2 (2'-2.5')	94	81
880-38173-6	AH-2 (3'-3.5')	105	109
880-38173-7	AH-3 (1'-1.5')	77	75
880-38173-8	AH-3 (2'-2.5')	123	123
880-38173-9	AH-3 (3'-3.5')	123	112
880-38173-10	AH-3 (4'-4.5')	84	81
880-38173-11	AH-4 (1'-1.5')	80	88
880-38173-12	AH-4 (2'-2.5')	94	83
880-38173-13	AH-4 (3'-3.5')	82	88
LCS 880-71138/1-A	Lab Control Sample	104	107
LCS 880-71146/1-A	Lab Control Sample	78	73
LCSD 880-71138/2-A	Lab Control Sample Dup	109	115
LCSD 880-71146/2-A	Lab Control Sample Dup	100	106
MB 880-71027/5-A	Method Blank	72	91
MB 880-71138/5-A	Method Blank	69 S1-	94
MB 880-71146/5-A	Method Blank	57 S1-	105
Surrogate Legend			
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)
880-38112-A-65-E MS	Matrix Spike	81	73
880-38112-A-65-F MSD	Matrix Spike Duplicate	91	84
880-38173-1	AH-1 (1'-1.5')	86	85
880-38173-2	AH-1 (2'-2.5')	90	93
880-38173-3	AH-1 (3'-3.5')	92	91
880-38173-4	AH-2 (1'-1.5')	89	88
880-38173-5	AH-2 (2'-2.5')	86	87
880-38173-6	AH-2 (3'-3.5')	84	85
880-38173-7	AH-3 (1'-1.5')	95	97
880-38173-8	AH-3 (2'-2.5')	109	110
880-38173-9	AH-3 (3'-3.5')	108	109
880-38173-10	AH-3 (4'-4.5')	106	107
880-38173-11	AH-4 (1'-1.5')	91	94
880-38173-12	AH-4 (2'-2.5')	91	91
880-38173-13	AH-4 (3'-3.5')	90	89

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Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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)
LCS 880-71218/2-A	Lab Control Sample	95	110
LCSD 880-71218/3-A	Lab Control Sample Dup	95	109
MB 880-71218/1-A	Method Blank	102	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-71027/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 71153							Prep Batch: 71027		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				01/16/24 15:43	01/19/24 12:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/16/24 15:43	01/19/24 12:03	1

Lab Sample ID: MB 880-71138/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 71153							Prep Batch: 71138		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/24 15:08	01/19/24 22:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				01/18/24 15:08	01/19/24 22:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/18/24 15:08	01/19/24 22:40	1

Lab Sample ID: LCS 880-71138/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 71153							Prep Batch: 71138		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1082		mg/Kg		108	70 - 130		
Toluene	0.100	0.09915		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene	0.200	0.2151		mg/Kg		108	70 - 130		
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-71138/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 71153							Prep Batch: 71138		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1183		mg/Kg		118	70 - 130	9	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-71138/2-A

Matrix: Solid

Analysis Batch: 71153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.1044		mg/Kg		104	70 - 130		5	35
Ethylbenzene	0.100	0.1156		mg/Kg		116	70 - 130		6	35
m-Xylene & p-Xylene	0.200	0.2350		mg/Kg		118	70 - 130		9	35
o-Xylene	0.100	0.1154		mg/Kg		115	70 - 130		9	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-38112-A-61-C MS

Matrix: Solid

Analysis Batch: 71153

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00199	U	0.0996	0.1099		mg/Kg		110	70 - 130	
Toluene	<0.00199	U	0.0996	0.09651		mg/Kg		97	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.1093		mg/Kg		110	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2199		mg/Kg		110	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1071		mg/Kg		108	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-38112-A-61-D MSD

Matrix: Solid

Analysis Batch: 71153

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 71138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00199	U	0.0990	0.1088		mg/Kg		110	70 - 130		1	35
Toluene	<0.00199	U	0.0990	0.09626		mg/Kg		97	70 - 130		0	35
Ethylbenzene	<0.00199	U	0.0990	0.1082		mg/Kg		109	70 - 130		1	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2146		mg/Kg		108	70 - 130		2	35
o-Xylene	<0.00199	U	0.0990	0.1046		mg/Kg		106	70 - 130		2	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-71146/5-A

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 71146

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 05:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 05:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 05:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/24 16:42	01/28/24 05:01	1

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-71146/5-A

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 71146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/24 16:42	01/28/24 05:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/24 16:42	01/28/24 05:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	01/19/24 16:42	01/28/24 05:01	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/19/24 16:42	01/28/24 05:01	1

Lab Sample ID: LCS 880-71146/1-A

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07374		mg/Kg		74	70 - 130
Toluene	0.100	0.08096		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.07431		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1598		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08469		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: LCSD 880-71146/2-A

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1035		mg/Kg		104	70 - 130	34	35
Toluene	0.100	0.09149		mg/Kg		91	70 - 130	12	35
Ethylbenzene	0.100	0.1109	*1	mg/Kg		111	70 - 130	40	35
m-Xylene & p-Xylene	0.200	0.2327	*1	mg/Kg		116	70 - 130	37	35
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-38172-A-1-A MS

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.05941	F1	mg/Kg		59	70 - 130
Toluene	<0.00199	U F1 *	0.0996	0.04931	F1	mg/Kg		50	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.06533	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.02959	F1	mg/Kg		15	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-38172-A-1-A MS

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00199	U F1	0.0996	0.07680		mg/Kg		76	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	118		70 - 130						
1,4-Difluorobenzene (Surr)	122		70 - 130						

Lab Sample ID: 880-38172-A-1-B MSD

Matrix: Solid

Analysis Batch: 71763

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 71146

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Benzene	<0.00199	U F1	0.0990	0.04216	F1	mg/Kg		42	70 - 130	34	35
Toluene	<0.00199	U F1 *-	0.0990	0.04734	F1	mg/Kg		48	70 - 130	4	35
Ethylbenzene	<0.00199	U F2 F1	0.0990	0.03678	F2 F1	mg/Kg		37	70 - 130	56	35
		*1									
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.198	0.06128	F2 F1	mg/Kg		31	70 - 130	70	35
		*1									
o-Xylene	<0.00199	U F1	0.0990	0.06304	F1	mg/Kg		63	70 - 130	20	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

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

Lab Sample ID: MB 880-71218/1-A

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 71218

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/20/24 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/20/24 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/24 14:35	01/20/24 19:44	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	102		70 - 130				01/19/24 14:35	01/20/24 19:44	1
o-Terphenyl	110		70 - 130				01/19/24 14:35	01/20/24 19:44	1

Lab Sample ID: LCS 880-71218/2-A

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	991.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	938.4		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-71218/2-A

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71218

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-71218/3-A

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71218

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	991.1		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	934.9		mg/Kg		93	70 - 130	0	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 880-38112-A-65-E MS

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71218

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 F1	1000	675.8	F1	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	712.0		mg/Kg		71	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	81		70 - 130								
o-Terphenyl	73		70 - 130								

Lab Sample ID: 880-38112-A-65-F MSD

Matrix: Solid

Analysis Batch: 71261

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 71218

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 F1	1000	765.2		mg/Kg		74	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	818.6		mg/Kg		82	70 - 130	14	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	84		70 - 130								

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71323/1-A

Matrix: Solid

Analysis Batch: 71391

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/24/24 15:18	1

Lab Sample ID: LCS 880-71323/2-A

Matrix: Solid

Analysis Batch: 71391

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-71323/3-A

Matrix: Solid

Analysis Batch: 71391

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	242.5		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-38172-A-6-D MS

Matrix: Solid

Analysis Batch: 71391

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	403		248	646.6		mg/Kg		98	90 - 110

Lab Sample ID: 880-38172-A-6-E MSD

Matrix: Solid

Analysis Batch: 71391

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	403		248	641.9		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-71374/1-A

Matrix: Solid

Analysis Batch: 71560

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/25/24 12:31	1

Lab Sample ID: LCS 880-71374/2-A

Matrix: Solid

Analysis Batch: 71560

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.3		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-71374/3-A

Matrix: Solid

Analysis Batch: 71560

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	263.8		mg/Kg		106	90 - 110	1	20

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-38173-6 MS

Matrix: Solid

Analysis Batch: 71560

Client Sample ID: AH-2 (3'-3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1250		249	1495	E 4	mg/Kg		99	90 - 110		

Lab Sample ID: 880-38173-6 MSD

Matrix: Solid

Analysis Batch: 71560

Client Sample ID: AH-2 (3'-3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1250		249	1498	E 4	mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 71027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-71027/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 71138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	5035	
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	5035	
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	5035	
MB 880-71138/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71138/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71138/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38112-A-61-C MS	Matrix Spike	Total/NA	Solid	5035	
880-38112-A-61-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 71146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	5035	
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	5035	
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	5035	
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	5035	
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	5035	
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	5035	
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	5035	
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	5035	
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	5035	
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	5035	
MB 880-71146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38172-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-38172-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 71153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	8021B	71138
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	8021B	71138
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	8021B	71138
MB 880-71027/5-A	Method Blank	Total/NA	Solid	8021B	71027
MB 880-71138/5-A	Method Blank	Total/NA	Solid	8021B	71138
LCS 880-71138/1-A	Lab Control Sample	Total/NA	Solid	8021B	71138
LCSD 880-71138/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71138
880-38112-A-61-C MS	Matrix Spike	Total/NA	Solid	8021B	71138
880-38112-A-61-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71138

Analysis Batch: 71370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	Total BTEX	
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	Total BTEX	
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	Total BTEX	
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 71370 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	Total BTEX	
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	Total BTEX	
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	Total BTEX	
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	Total BTEX	
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 71763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	8021B	71146
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	8021B	71146
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	8021B	71146
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	8021B	71146
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	8021B	71146
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	8021B	71146
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	8021B	71146
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	8021B	71146
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	8021B	71146
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	8021B	71146
MB 880-71146/5-A	Method Blank	Total/NA	Solid	8021B	71146
LCS 880-71146/1-A	Lab Control Sample	Total/NA	Solid	8021B	71146
LCSD 880-71146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71146
880-38172-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	71146
880-38172-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71146

GC Semi VOA

Prep Batch: 71218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	8015NM Prep	
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-71218/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71218/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71218/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38112-A-65-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-38112-A-65-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 71261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	8015B NM	71218
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	8015B NM	71218
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	8015B NM	71218
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	8015B NM	71218
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	8015B NM	71218
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	8015B NM	71218
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	8015B NM	71218
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	8015B NM	71218
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	8015B NM	71218
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	8015B NM	71218
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	8015B NM	71218
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	8015B NM	71218
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	8015B NM	71218
MB 880-71218/1-A	Method Blank	Total/NA	Solid	8015B NM	71218
LCS 880-71218/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71218
LCSD 880-71218/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71218
880-38112-A-65-E MS	Matrix Spike	Total/NA	Solid	8015B NM	71218
880-38112-A-65-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	71218

Analysis Batch: 71324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Total/NA	Solid	8015 NM	
880-38173-2	AH-1 (2'-2.5')	Total/NA	Solid	8015 NM	
880-38173-3	AH-1 (3'-3.5')	Total/NA	Solid	8015 NM	
880-38173-4	AH-2 (1'-1.5')	Total/NA	Solid	8015 NM	
880-38173-5	AH-2 (2'-2.5')	Total/NA	Solid	8015 NM	
880-38173-6	AH-2 (3'-3.5')	Total/NA	Solid	8015 NM	
880-38173-7	AH-3 (1'-1.5')	Total/NA	Solid	8015 NM	
880-38173-8	AH-3 (2'-2.5')	Total/NA	Solid	8015 NM	
880-38173-9	AH-3 (3'-3.5')	Total/NA	Solid	8015 NM	
880-38173-10	AH-3 (4'-4.5')	Total/NA	Solid	8015 NM	
880-38173-11	AH-4 (1'-1.5')	Total/NA	Solid	8015 NM	
880-38173-12	AH-4 (2'-2.5')	Total/NA	Solid	8015 NM	
880-38173-13	AH-4 (3'-3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-38173-2	AH-1 (2'-2.5')	Soluble	Solid	DI Leach	
880-38173-3	AH-1 (3'-3.5')	Soluble	Solid	DI Leach	
880-38173-4	AH-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-38173-5	AH-2 (2'-2.5')	Soluble	Solid	DI Leach	
MB 880-71323/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71323/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71323/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38172-A-6-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-38172-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 71374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-6	AH-2 (3'-3.5')	Soluble	Solid	DI Leach	
880-38173-7	AH-3 (1'-1.5')	Soluble	Solid	DI Leach	
880-38173-8	AH-3 (2'-2.5')	Soluble	Solid	DI Leach	
880-38173-9	AH-3 (3'-3.5')	Soluble	Solid	DI Leach	
880-38173-10	AH-3 (4'-4.5')	Soluble	Solid	DI Leach	
880-38173-11	AH-4 (1'-1.5')	Soluble	Solid	DI Leach	
880-38173-12	AH-4 (2'-2.5')	Soluble	Solid	DI Leach	
880-38173-13	AH-4 (3'-3.5')	Soluble	Solid	DI Leach	
MB 880-71374/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71374/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71374/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38173-6 MS	AH-2 (3'-3.5')	Soluble	Solid	DI Leach	
880-38173-6 MSD	AH-2 (3'-3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 71391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-1	AH-1 (1'-1.5')	Soluble	Solid	300.0	71323
880-38173-2	AH-1 (2'-2.5')	Soluble	Solid	300.0	71323
880-38173-3	AH-1 (3'-3.5')	Soluble	Solid	300.0	71323
880-38173-4	AH-2 (1'-1.5')	Soluble	Solid	300.0	71323
880-38173-5	AH-2 (2'-2.5')	Soluble	Solid	300.0	71323
MB 880-71323/1-A	Method Blank	Soluble	Solid	300.0	71323
LCS 880-71323/2-A	Lab Control Sample	Soluble	Solid	300.0	71323
LCSD 880-71323/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71323
880-38172-A-6-D MS	Matrix Spike	Soluble	Solid	300.0	71323
880-38172-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	71323

Analysis Batch: 71560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38173-6	AH-2 (3'-3.5')	Soluble	Solid	300.0	71374
880-38173-7	AH-3 (1'-1.5')	Soluble	Solid	300.0	71374
880-38173-8	AH-3 (2'-2.5')	Soluble	Solid	300.0	71374
880-38173-9	AH-3 (3'-3.5')	Soluble	Solid	300.0	71374
880-38173-10	AH-3 (4'-4.5')	Soluble	Solid	300.0	71374
880-38173-11	AH-4 (1'-1.5')	Soluble	Solid	300.0	71374
880-38173-12	AH-4 (2'-2.5')	Soluble	Solid	300.0	71374
880-38173-13	AH-4 (3'-3.5')	Soluble	Solid	300.0	71374
MB 880-71374/1-A	Method Blank	Soluble	Solid	300.0	71374
LCS 880-71374/2-A	Lab Control Sample	Soluble	Solid	300.0	71374
LCSD 880-71374/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71374
880-38173-6 MS	AH-2 (3'-3.5')	Soluble	Solid	300.0	71374
880-38173-6 MSD	AH-2 (3'-3.5')	Soluble	Solid	300.0	71374

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-1 (1'-1.5')
Date Collected: 01/17/24 12:00
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-1
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 11:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/20/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/20/24 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71323	01/22/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71391	01/24/24 17:52	SMC	EET MID

Client Sample ID: AH-1 (2'-2.5')
Date Collected: 01/17/24 12:03
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-2
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 00:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 00:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	71323	01/22/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71391	01/24/24 17:57	SMC	EET MID

Client Sample ID: AH-1 (3'-3.5')
Date Collected: 01/17/24 12:06
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-3
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 00:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71323	01/22/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71391	01/24/24 18:02	SMC	EET MID

Client Sample ID: AH-2 (1'-1.5')
Date Collected: 01/17/24 12:09
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-4
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 12:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-2 (1'-1.5')
Date Collected: 01/17/24 12:09
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-4
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			71324	01/21/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 00:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71323	01/22/24 11:56	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	71391	01/24/24 18:07	SMC	EET MID

Client Sample ID: AH-2 (2'-2.5')
Date Collected: 01/17/24 12:12
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-5
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 13:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 01:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 01:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71323	01/22/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71391	01/24/24 18:13	SMC	EET MID

Client Sample ID: AH-2 (3'-3.5')
Date Collected: 01/17/24 12:15
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-6
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 13:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		1			71560	01/25/24 12:48	CH	EET MID

Client Sample ID: AH-3 (1'-1.5')
Date Collected: 01/17/24 12:18
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-7
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	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 02:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 02:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-3 (1'-1.5')
Date Collected: 01/17/24 12:18
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-7
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			5 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		1			71560	01/25/24 13:06	CH	EET MID

Client Sample ID: AH-3 (2'-2.5')
Date Collected: 01/17/24 12:20
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-8
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			5.05 g	5 mL	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 14:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 02:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		1			71560	01/25/24 13:11	CH	EET MID

Client Sample ID: AH-3 (3'-3.5')
Date Collected: 01/17/24 12:23
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-9
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			5.01 g	5 mL	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 03:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 03:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		5			71560	01/25/24 13:17	CH	EET MID

Client Sample ID: AH-3 (4'-4.5')
Date Collected: 01/17/24 12:26
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-10
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			4.99 g	5 mL	71146	01/19/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71763	01/28/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/28/24 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 03:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		5			71560	01/25/24 13:23	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Client Sample ID: AH-4 (1'-1.5')
Date Collected: 01/17/24 12:36
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-11
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	71138	01/19/24 15:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/20/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/20/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 03:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 03:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		1			71560	01/25/24 13:39	CH	EET MID

Client Sample ID: AH-4 (2'-2.5')
Date Collected: 01/17/24 12:40
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-12
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	71138	01/19/24 15:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/20/24 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/20/24 04:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 04:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 04:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		1			71560	01/25/24 13:45	CH	EET MID

Client Sample ID: AH-4 (3'-3.5')
Date Collected: 01/17/24 12:43
Date Received: 01/19/24 12:30

Lab Sample ID: 880-38173-13
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	71138	01/19/24 15:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/20/24 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71370	01/20/24 05:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			71324	01/21/24 04:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71218	01/19/24 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71261	01/21/24 04:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71374	01/22/24 17:03	SA	EET MID
Soluble	Analysis	300.0		5			71560	01/25/24 13:50	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 #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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	T104704400-23-26	06-30-24
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 #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

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 #204

Job ID: 880-38173-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38173-1	AH-1 (1'-1.5')	Solid	01/17/24 12:00	01/19/24 12:30
880-38173-2	AH-1 (2'-2.5')	Solid	01/17/24 12:03	01/19/24 12:30
880-38173-3	AH-1 (3'-3.5')	Solid	01/17/24 12:06	01/19/24 12:30
880-38173-4	AH-2 (1'-1.5')	Solid	01/17/24 12:09	01/19/24 12:30
880-38173-5	AH-2 (2'-2.5')	Solid	01/17/24 12:12	01/19/24 12:30
880-38173-6	AH-2 (3'-3.5')	Solid	01/17/24 12:15	01/19/24 12:30
880-38173-7	AH-3 (1'-1.5')	Solid	01/17/24 12:18	01/19/24 12:30
880-38173-8	AH-3 (2'-2.5')	Solid	01/17/24 12:20	01/19/24 12:30
880-38173-9	AH-3 (3'-3.5')	Solid	01/17/24 12:23	01/19/24 12:30
880-38173-10	AH-3 (4'-4.5')	Solid	01/17/24 12:26	01/19/24 12:30
880-38173-11	AH-4 (1'-1.5')	Solid	01/17/24 12:36	01/19/24 12:30
880-38173-12	AH-4 (2'-2.5')	Solid	01/17/24 12:40	01/19/24 12:30
880-38173-13	AH-4 (3'-3.5')	Solid	01/17/24 12:43	01/19/24 12:30

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ORIGINAL COPY

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-38173-1

SDG Number: Eddy Co, NM

Login Number: 38173

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/12/2024 9:49:52 AM

JOB DESCRIPTION

MLMU 204
212C-MD-

JOB NUMBER

890-6040-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

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
2/12/2024 9:49:52 AM

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

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Laboratory Job ID: 890-6040-1
SDG: 212C-MD-

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

Qualifier	Qualifier Description
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.
α	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 204

Job ID: 890-6040-1

Job ID: 890-6040-1

Eurofins Carlsbad

Job Narrative
890-6040-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 1/26/2024 8:32 AM. 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 0.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (890-6040-1), H-2 (890-6040-2), H-3 (890-6040-3), H-4 (890-6040-4), H-5 (890-6040-5), H-6 (890-6040-6), H-7 (890-6040-7), H-8 (890-6040-8), H-9 (890-6040-9), H-10 (890-6040-10), H-11 (890-6040-11), AH-4 4-4.5 (890-6040-12), AH-5 1-1.5 (890-6040-13), AH-5 2-2.5 (890-6040-14), AH-6 1-1.5 (890-6040-15), AH-6 2-2.5 (890-6040-16), AH-6 3-3.5 (890-6040-17) and AH-6 4-4.5 (890-6040-18).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-72108 and analytical batch 880-72370 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 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (890-6040-2) and (890-6040-A-1-G MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-6040-A-1-K MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-6040-A-1-K MS) and (890-6040-A-1-M MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: H-1 (890-6040-1), H-2 (890-6040-2), H-3 (890-6040-3), H-4 (890-6040-4), H-5 (890-6040-5), H-6 (890-6040-6), H-7 (890-6040-7), H-8 (890-6040-8), H-9 (890-6040-9), H-10 (890-6040-10), H-11 (890-6040-11), AH-4 4-4.5 (890-6040-12), AH-5 1-1.5 (890-6040-13), AH-5 2-2.5 (890-6040-14), AH-6 1-1.5 (890-6040-15), AH-6 2-2.5 (890-6040-16), AH-6 3-3.5 (890-6040-17) and AH-6 4-4.5 (890-6040-18). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71894 and 880-71894 and analytical batch 880-72022 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-1

Lab Sample ID: 890-6040-1

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:26	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:26	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:26	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		02/01/24 10:24	02/05/24 16:26	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:26	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		02/01/24 10:24	02/05/24 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	02/01/24 10:24	02/05/24 16:26	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/01/24 10:24	02/05/24 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			02/05/24 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			02/05/24 06:48	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)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 06:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 06:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	179	S1+	70 - 130				01/30/24 11:05	02/05/24 06:48	1
1-Chlorooctane	159	S1+	70 - 130				01/30/24 11:05	02/05/24 06:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.9	F1	4.98		mg/Kg			02/03/24 06:09	1

Client Sample ID: H-2

Lab Sample ID: 890-6040-2

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 16:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 16:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 16:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 16:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 16:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	02/01/24 10:24	02/05/24 16:53	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/01/24 10:24	02/05/24 16:53	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-2

Lab Sample ID: 890-6040-2

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			02/05/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/05/24 07:50	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)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 07:50	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 07:50	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	145	S1+	70 - 130	01/30/24 11:05	02/05/24 07:50	1
1-Chlorooctane	130		70 - 130	01/30/24 11:05	02/05/24 07:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		5.00		mg/Kg			02/03/24 06:24	1

Client Sample ID: H-3

Lab Sample ID: 890-6040-3

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 17:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 17:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 17:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 17:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 17:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/01/24 10:24	02/05/24 17:19	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/01/24 10:24	02/05/24 17:19	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			02/05/24 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/24 08:10	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)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 08:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 08:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 08:10	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-3

Lab Sample ID: 890-6040-3

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	148	S1+	70 - 130	01/30/24 11:05	02/05/24 08:10	1
1-Chlorooctane	131	S1+	70 - 130	01/30/24 11:05	02/05/24 08:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.2		4.95		mg/Kg			02/03/24 06:29	1

Client Sample ID: H-4

Lab Sample ID: 890-6040-4

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 17:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 17:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 17:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 17:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 17:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/01/24 10:24	02/05/24 17:45	1
1,4-Difluorobenzene (Surr)	81		70 - 130	02/01/24 10:24	02/05/24 17:45	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			02/05/24 17:45	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			02/05/24 08:31	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)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 08:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	149	S1+	70 - 130	01/30/24 11:05	02/05/24 08:31	1
1-Chlorooctane	129		70 - 130	01/30/24 11:05	02/05/24 08:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.9		4.99		mg/Kg			02/03/24 06:33	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-5

Lab Sample ID: 890-6040-5

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 18:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 18:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 18:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 18:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 18:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/01/24 10:24	02/05/24 18:11	1
1,4-Difluorobenzene (Surr)	71		70 - 130	02/01/24 10:24	02/05/24 18:11	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			02/05/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/24 08:52	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)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 08:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 08:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 08:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	148	S1+	70 - 130				01/30/24 11:05	02/05/24 08:52	1
1-Chlorooctane	133	S1+	70 - 130				01/30/24 11:05	02/05/24 08:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.0		5.04		mg/Kg			02/03/24 06:38	1

Client Sample ID: H-6

Lab Sample ID: 890-6040-6

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 18:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 18:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 18:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 18:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 18:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/01/24 10:24	02/05/24 18:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/24 10:24	02/05/24 18:37	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-6

Lab Sample ID: 890-6040-6

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			02/05/24 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	<49.6	U	49.6		mg/Kg			02/05/24 09:12	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)	<49.6	U	49.6		mg/Kg		01/30/24 11:05	02/05/24 09:12	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/30/24 11:05	02/05/24 09:12	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/30/24 11:05	02/05/24 09:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	160	S1+	70 - 130	01/30/24 11:05	02/05/24 09:12	1
1-Chlorooctane	142	S1+	70 - 130	01/30/24 11:05	02/05/24 09:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.4		4.97		mg/Kg			02/03/24 06:53	1

Client Sample ID: H-7

Lab Sample ID: 890-6040-7

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 19:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 19:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 19:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 19:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 19:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/01/24 10:24	02/05/24 19:02	1
1,4-Difluorobenzene (Surr)	74		70 - 130	02/01/24 10:24	02/05/24 19:02	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			02/05/24 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/05/24 09:33	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)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 09:33	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 09:33	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 09:33	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-7

Lab Sample ID: 890-6040-7

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	138	S1+	70 - 130	01/30/24 11:05	02/05/24 09:33	1
1-Chlorooctane	124		70 - 130	01/30/24 11:05	02/05/24 09:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		4.96		mg/Kg			02/03/24 06:58	1

Client Sample ID: H-8

Lab Sample ID: 890-6040-8

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00567		0.00200		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/01/24 10:24	02/05/24 19:28	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/01/24 10:24	02/05/24 19:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00567		0.00399		mg/Kg			02/05/24 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/05/24 09:53	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)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 09:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 09:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	154	S1+	70 - 130				01/30/24 11:05	02/05/24 09:53	1
1-Chlorooctane	138	S1+	70 - 130				01/30/24 11:05	02/05/24 09:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		4.97		mg/Kg			02/03/24 07:03	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-9

Lab Sample ID: 890-6040-9

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 19:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 19:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 19:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 19:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 19:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/01/24 10:24	02/05/24 19:54	1
1,4-Difluorobenzene (Surr)	80		70 - 130	02/01/24 10:24	02/05/24 19:54	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			02/05/24 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/05/24 10:14	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)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 10:14	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 10:14	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 10:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	145	S1+	70 - 130				01/30/24 11:05	02/05/24 10:14	1
1-Chlorooctane	129		70 - 130				01/30/24 11:05	02/05/24 10:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.05		mg/Kg			02/03/24 07:08	1

Client Sample ID: H-10

Lab Sample ID: 890-6040-10

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 20:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/01/24 10:24	02/05/24 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 20:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/01/24 10:24	02/05/24 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/01/24 10:24	02/05/24 20:20	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/01/24 10:24	02/05/24 20:20	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-10

Lab Sample ID: 890-6040-10

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			02/05/24 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			02/05/24 10:34	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)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 10:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	148	S1+	70 - 130				01/30/24 11:05	02/05/24 10:34	1
1-Chlorooctane	132	S1+	70 - 130				01/30/24 11:05	02/05/24 10:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.02		mg/Kg			02/03/24 07:13	1

Client Sample ID: H-11

Lab Sample ID: 890-6040-11

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 22:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 22:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				02/01/24 10:24	02/05/24 22:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/01/24 10:24	02/05/24 22:05	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			02/05/24 22:05	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			02/05/24 11:15	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)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 11:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 11:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/30/24 11:05	02/05/24 11:15	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-11

Lab Sample ID: 890-6040-11

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	151	S1+	70 - 130	01/30/24 11:05	02/05/24 11:15	1
1-Chlorooctane	136	S1+	70 - 130	01/30/24 11:05	02/05/24 11:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.8	F1	5.01		mg/Kg			02/03/24 07:18	1

Client Sample ID: AH-4 4-4.5

Lab Sample ID: 890-6040-12

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 22:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 22:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/05/24 22:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/05/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				02/01/24 10:24	02/05/24 22:31	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/01/24 10:24	02/05/24 22:31	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			02/05/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/24 11:36	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)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 11:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 11:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 11:05	02/05/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	161	S1+	70 - 130				01/30/24 11:05	02/05/24 11:36	1
1-Chlorooctane	141	S1+	70 - 130				01/30/24 11:05	02/05/24 11:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		4.99		mg/Kg			02/03/24 07:33	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-5 1-1.5

Lab Sample ID: 890-6040-13

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 22:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 22:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/05/24 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/01/24 10:24	02/05/24 22:58	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/01/24 10:24	02/05/24 22:58	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			02/05/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/24 11:57	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)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 11:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 11:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/30/24 11:05	02/05/24 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	147	S1+	70 - 130				01/30/24 11:05	02/05/24 11:57	1
1-Chlorooctane	130		70 - 130				01/30/24 11:05	02/05/24 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	364		4.97		mg/Kg			02/03/24 07:37	1

Client Sample ID: AH-5 2-2.5

Lab Sample ID: 890-6040-14

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 23:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 23:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 23:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 23:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/01/24 10:24	02/05/24 23:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/01/24 10:24	02/05/24 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/01/24 10:24	02/05/24 23:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/01/24 10:24	02/05/24 23:24	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-5 2-2.5

Lab Sample ID: 890-6040-14

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			02/05/24 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/05/24 12:17	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)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 12:17	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 12:17	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	145	S1+	70 - 130	01/30/24 11:05	02/05/24 12:17	1
1-Chlorooctane	129		70 - 130	01/30/24 11:05	02/05/24 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	925		4.95		mg/Kg			02/03/24 07:52	1

Client Sample ID: AH-6 1-1.5

Lab Sample ID: 890-6040-15

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/05/24 23:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 23:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/01/24 10:24	02/05/24 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 23:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/01/24 10:24	02/05/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/01/24 10:24	02/05/24 23:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/01/24 10:24	02/05/24 23:51	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			02/05/24 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/05/24 12:38	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)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 12:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 12:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/30/24 11:05	02/05/24 12:38	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-6 1-1.5

Lab Sample ID: 890-6040-15

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	165	S1+	70 - 130	01/30/24 11:05	02/05/24 12:38	1
1-Chlorooctane	146	S1+	70 - 130	01/30/24 11:05	02/05/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	403		4.97		mg/Kg			02/03/24 07:57	1

Client Sample ID: AH-6 2-2.5

Lab Sample ID: 890-6040-16

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/06/24 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/06/24 00:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/06/24 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/01/24 10:24	02/06/24 00:18	1
1,4-Difluorobenzene (Surr)	84		70 - 130				02/01/24 10:24	02/06/24 00:18	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			02/06/24 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/05/24 12:58	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)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 12:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 12:58	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/30/24 11:05	02/05/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	158	S1+	70 - 130				01/30/24 11:05	02/05/24 12:58	1
1-Chlorooctane	139	S1+	70 - 130				01/30/24 11:05	02/05/24 12:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	845		5.00		mg/Kg			02/03/24 08:02	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-6 3-3.5

Lab Sample ID: 890-6040-17

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/06/24 00:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/06/24 00:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:24	02/06/24 00:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:24	02/06/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				02/01/24 10:24	02/06/24 00:45	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/01/24 10:24	02/06/24 00:45	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			02/06/24 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/05/24 13:19	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)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 13:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 13:19	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 11:05	02/05/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	142	S1+	70 - 130				01/30/24 11:05	02/05/24 13:19	1
1-Chlorooctane	127		70 - 130				01/30/24 11:05	02/05/24 13:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		5.00		mg/Kg			02/03/24 08:07	1

Client Sample ID: AH-6 4-4.5

Lab Sample ID: 890-6040-18

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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		02/01/24 10:24	02/06/24 01:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/06/24 01:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/06/24 01:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/06/24 01:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/06/24 01:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/01/24 10:24	02/06/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				02/01/24 10:24	02/06/24 01:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/01/24 10:24	02/06/24 01:12	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-6 4-4.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-18
Matrix: Solid

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			02/06/24 01:12	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			02/05/24 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)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 13:39	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 13:39	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 11:05	02/05/24 13:39	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
o-Terphenyl	145	S1+	70 - 130				01/30/24 11:05	02/05/24 13:39	1	
1-Chlorooctane	130		70 - 130				01/30/24 11:05	02/05/24 13:39	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	786		4.99		mg/Kg			02/03/24 08:12	1	

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

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)
890-6040-1	H-1	80	77
890-6040-1 MS	H-1	52 S1-	117
890-6040-1 MSD	H-1	128	100
890-6040-2	H-2	135 S1+	86
890-6040-3	H-3	105	77
890-6040-4	H-4	97	81
890-6040-5	H-5	125	71
890-6040-6	H-6	113	100
890-6040-7	H-7	103	74
890-6040-8	H-8	105	88
890-6040-9	H-9	91	80
890-6040-10	H-10	117	112
890-6040-11	H-11	103	96
890-6040-12	AH-4 4-4.5	92	92
890-6040-13	AH-5 1-1.5	106	91
890-6040-14	AH-5 2-2.5	98	91
890-6040-15	AH-6 1-1.5	88	105
890-6040-16	AH-6 2-2.5	106	84
890-6040-17	AH-6 3-3.5	91	108
890-6040-18	AH-6 4-4.5	96	91
LCS 880-72108/1-A	Lab Control Sample	99	85
LCSD 880-72108/2-A	Lab Control Sample Dup	117	87
MB 880-72108/5-A	Method Blank	77	89
Surrogate Legend			
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	OTPH1 (70-130)	1CO1 (70-130)
890-6040-1	H-1	179 S1+	159 S1+
890-6040-1 MS	H-1	131 S1+	122
890-6040-1 MSD	H-1	131 S1+	123
890-6040-2	H-2	145 S1+	130
890-6040-3	H-3	148 S1+	131 S1+
890-6040-4	H-4	149 S1+	129
890-6040-5	H-5	148 S1+	133 S1+
890-6040-6	H-6	160 S1+	142 S1+
890-6040-7	H-7	138 S1+	124
890-6040-8	H-8	154 S1+	138 S1+
890-6040-9	H-9	145 S1+	129
890-6040-10	H-10	148 S1+	132 S1+
890-6040-11	H-11	151 S1+	136 S1+
890-6040-12	AH-4 4-4.5	161 S1+	141 S1+
890-6040-13	AH-5 1-1.5	147 S1+	130
890-6040-14	AH-5 2-2.5	145 S1+	129

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Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

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	OTPH1 (70-130)	1CO1 (70-130)
890-6040-15	AH-6 1-1.5	165 S1+	146 S1+
890-6040-16	AH-6 2-2.5	158 S1+	139 S1+
890-6040-17	AH-6 3-3.5	142 S1+	127
890-6040-18	AH-6 4-4.5	145 S1+	130
LCS 870-17904/1-A	Lab Control Sample	119	110
LCSD 870-17904/2-A	Lab Control Sample Dup	120	113
MB 870-17904/3-A	Method Blank	122	130
Surrogate Legend			
OTPH = o-Terphenyl			
1CO = 1-Chlorooctane			

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72108/5-A

Matrix: Solid

Analysis Batch: 72370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/24 10:24	02/05/24 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:24	02/05/24 16:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/24 10:24	02/05/24 16:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	02/01/24 10:24	02/05/24 16:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/01/24 10:24	02/05/24 16:00	1

Lab Sample ID: LCS 880-72108/1-A

Matrix: Solid

Analysis Batch: 72370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08845		mg/Kg		88	70 - 130
Toluene	0.100	0.08737		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2212		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: LCSD 880-72108/2-A

Matrix: Solid

Analysis Batch: 72370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08422		mg/Kg		84	70 - 130	5	35
Toluene	0.100	0.08745		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.09607		mg/Kg		96	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2054		mg/Kg		103	70 - 130	7	35
o-Xylene	0.100	0.1185		mg/Kg		118	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-6040-1 MS

Matrix: Solid

Analysis Batch: 72370

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 72108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130
Toluene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

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

Lab Sample ID: 890-6040-1 MS
Matrix: Solid
Analysis Batch: 72370

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 72108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130
o-Xylene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130						
1,4-Difluorobenzene (Surr)	117		70 - 130						

Lab Sample ID: 890-6040-1 MSD
Matrix: Solid
Analysis Batch: 72370

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 72108

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0990	0.08288		mg/Kg		84	70 - 130	NC	35
Toluene	<0.00200	U F1	0.0990	0.07669		mg/Kg		77	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.0990	0.07929		mg/Kg		80	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1539		mg/Kg		78	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.0990	0.09176		mg/Kg		93	70 - 130	NC	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	128		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

Lab Sample ID: MB 870-17904/3-A
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 06:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 06:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 11:05	02/05/24 06:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
o-Terphenyl	122		70 - 130						
1-Chlorooctane	130		70 - 130						

Lab Sample ID: LCS 870-17904/1-A
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	1020	1122		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1010	1194		mg/Kg		118	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

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

Lab Sample ID: LCS 870-17904/1-A
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17904

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	119		70 - 130
1-Chlorooctane	110		70 - 130

Lab Sample ID: LCSD 870-17904/2-A
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	1020	1176		mg/Kg		115	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1010	1206		mg/Kg		119	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	120		70 - 130
1-Chlorooctane	113		70 - 130

Lab Sample ID: 890-6040-1 MS
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 17904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<49.8	U	1030	1243		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1020	1215		mg/Kg		119	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	131	S1+	70 - 130
1-Chlorooctane	122		70 - 130

Lab Sample ID: 890-6040-1 MSD
Matrix: Solid
Analysis Batch: 17969

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 17904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.8	U	1030	1043		mg/Kg		102	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1020	1227		mg/Kg		121	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	131	S1+	70 - 130
1-Chlorooctane	123		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71894/1-A

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 05:54	1

Lab Sample ID: LCS 880-71894/2-A

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.6		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-71894/3-A

Matrix: Solid

Analysis Batch: 72022

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	238.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-6040-1 MS

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: H-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	70.9	F1	249	360.7	F1	mg/Kg		116	90 - 110

Lab Sample ID: 890-6040-1 MSD

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: H-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	70.9	F1	249	360.6	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 890-6040-11 MS

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: H-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	74.8	F1	251	380.8	F1	mg/Kg		122	90 - 110

Lab Sample ID: 890-6040-11 MSD

Matrix: Solid

Analysis Batch: 72022

Client Sample ID: H-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.8	F1	251	379.4	F1	mg/Kg		122	90 - 110	0	20

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

GC VOA

Prep Batch: 72108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	5035	
890-6040-2	H-2	Total/NA	Solid	5035	
890-6040-3	H-3	Total/NA	Solid	5035	
890-6040-4	H-4	Total/NA	Solid	5035	
890-6040-5	H-5	Total/NA	Solid	5035	
890-6040-6	H-6	Total/NA	Solid	5035	
890-6040-7	H-7	Total/NA	Solid	5035	
890-6040-8	H-8	Total/NA	Solid	5035	
890-6040-9	H-9	Total/NA	Solid	5035	
890-6040-10	H-10	Total/NA	Solid	5035	
890-6040-11	H-11	Total/NA	Solid	5035	
890-6040-12	AH-4 4-4.5	Total/NA	Solid	5035	
890-6040-13	AH-5 1-1.5	Total/NA	Solid	5035	
890-6040-14	AH-5 2-2.5	Total/NA	Solid	5035	
890-6040-15	AH-6 1-1.5	Total/NA	Solid	5035	
890-6040-16	AH-6 2-2.5	Total/NA	Solid	5035	
890-6040-17	AH-6 3-3.5	Total/NA	Solid	5035	
890-6040-18	AH-6 4-4.5	Total/NA	Solid	5035	
MB 880-72108/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72108/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72108/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6040-1 MS	H-1	Total/NA	Solid	5035	
890-6040-1 MSD	H-1	Total/NA	Solid	5035	

Analysis Batch: 72370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	8021B	72108
890-6040-2	H-2	Total/NA	Solid	8021B	72108
890-6040-3	H-3	Total/NA	Solid	8021B	72108
890-6040-4	H-4	Total/NA	Solid	8021B	72108
890-6040-5	H-5	Total/NA	Solid	8021B	72108
890-6040-6	H-6	Total/NA	Solid	8021B	72108
890-6040-7	H-7	Total/NA	Solid	8021B	72108
890-6040-8	H-8	Total/NA	Solid	8021B	72108
890-6040-9	H-9	Total/NA	Solid	8021B	72108
890-6040-10	H-10	Total/NA	Solid	8021B	72108
890-6040-11	H-11	Total/NA	Solid	8021B	72108
890-6040-12	AH-4 4-4.5	Total/NA	Solid	8021B	72108
890-6040-13	AH-5 1-1.5	Total/NA	Solid	8021B	72108
890-6040-14	AH-5 2-2.5	Total/NA	Solid	8021B	72108
890-6040-15	AH-6 1-1.5	Total/NA	Solid	8021B	72108
890-6040-16	AH-6 2-2.5	Total/NA	Solid	8021B	72108
890-6040-17	AH-6 3-3.5	Total/NA	Solid	8021B	72108
890-6040-18	AH-6 4-4.5	Total/NA	Solid	8021B	72108
MB 880-72108/5-A	Method Blank	Total/NA	Solid	8021B	72108
LCS 880-72108/1-A	Lab Control Sample	Total/NA	Solid	8021B	72108
LCSD 880-72108/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72108
890-6040-1 MS	H-1	Total/NA	Solid	8021B	72108
890-6040-1 MSD	H-1	Total/NA	Solid	8021B	72108

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

GC VOA

Analysis Batch: 72527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	Total BTEX	
890-6040-2	H-2	Total/NA	Solid	Total BTEX	
890-6040-3	H-3	Total/NA	Solid	Total BTEX	
890-6040-4	H-4	Total/NA	Solid	Total BTEX	
890-6040-5	H-5	Total/NA	Solid	Total BTEX	
890-6040-6	H-6	Total/NA	Solid	Total BTEX	
890-6040-7	H-7	Total/NA	Solid	Total BTEX	
890-6040-8	H-8	Total/NA	Solid	Total BTEX	
890-6040-9	H-9	Total/NA	Solid	Total BTEX	
890-6040-10	H-10	Total/NA	Solid	Total BTEX	
890-6040-11	H-11	Total/NA	Solid	Total BTEX	
890-6040-12	AH-4 4-4.5	Total/NA	Solid	Total BTEX	
890-6040-13	AH-5 1-1.5	Total/NA	Solid	Total BTEX	
890-6040-14	AH-5 2-2.5	Total/NA	Solid	Total BTEX	
890-6040-15	AH-6 1-1.5	Total/NA	Solid	Total BTEX	
890-6040-16	AH-6 2-2.5	Total/NA	Solid	Total BTEX	
890-6040-17	AH-6 3-3.5	Total/NA	Solid	Total BTEX	
890-6040-18	AH-6 4-4.5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	8015NM Prep	
890-6040-2	H-2	Total/NA	Solid	8015NM Prep	
890-6040-3	H-3	Total/NA	Solid	8015NM Prep	
890-6040-4	H-4	Total/NA	Solid	8015NM Prep	
890-6040-5	H-5	Total/NA	Solid	8015NM Prep	
890-6040-6	H-6	Total/NA	Solid	8015NM Prep	
890-6040-7	H-7	Total/NA	Solid	8015NM Prep	
890-6040-8	H-8	Total/NA	Solid	8015NM Prep	
890-6040-9	H-9	Total/NA	Solid	8015NM Prep	
890-6040-10	H-10	Total/NA	Solid	8015NM Prep	
890-6040-11	H-11	Total/NA	Solid	8015NM Prep	
890-6040-12	AH-4 4-4.5	Total/NA	Solid	8015NM Prep	
890-6040-13	AH-5 1-1.5	Total/NA	Solid	8015NM Prep	
890-6040-14	AH-5 2-2.5	Total/NA	Solid	8015NM Prep	
890-6040-15	AH-6 1-1.5	Total/NA	Solid	8015NM Prep	
890-6040-16	AH-6 2-2.5	Total/NA	Solid	8015NM Prep	
890-6040-17	AH-6 3-3.5	Total/NA	Solid	8015NM Prep	
890-6040-18	AH-6 4-4.5	Total/NA	Solid	8015NM Prep	
MB 870-17904/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17904/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17904/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6040-1 MS	H-1	Total/NA	Solid	8015NM Prep	
890-6040-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	8015B NM	17904
890-6040-2	H-2	Total/NA	Solid	8015B NM	17904

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

GC Semi VOA (Continued)

Analysis Batch: 17969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-3	H-3	Total/NA	Solid	8015B NM	17904
890-6040-4	H-4	Total/NA	Solid	8015B NM	17904
890-6040-5	H-5	Total/NA	Solid	8015B NM	17904
890-6040-6	H-6	Total/NA	Solid	8015B NM	17904
890-6040-7	H-7	Total/NA	Solid	8015B NM	17904
890-6040-8	H-8	Total/NA	Solid	8015B NM	17904
890-6040-9	H-9	Total/NA	Solid	8015B NM	17904
890-6040-10	H-10	Total/NA	Solid	8015B NM	17904
890-6040-11	H-11	Total/NA	Solid	8015B NM	17904
890-6040-12	AH-4 4-4.5	Total/NA	Solid	8015B NM	17904
890-6040-13	AH-5 1-1.5	Total/NA	Solid	8015B NM	17904
890-6040-14	AH-5 2-2.5	Total/NA	Solid	8015B NM	17904
890-6040-15	AH-6 1-1.5	Total/NA	Solid	8015B NM	17904
890-6040-16	AH-6 2-2.5	Total/NA	Solid	8015B NM	17904
890-6040-17	AH-6 3-3.5	Total/NA	Solid	8015B NM	17904
890-6040-18	AH-6 4-4.5	Total/NA	Solid	8015B NM	17904
MB 870-17904/3-A	Method Blank	Total/NA	Solid	8015B NM	17904
LCS 870-17904/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17904
LCSD 870-17904/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17904
890-6040-1 MS	H-1	Total/NA	Solid	8015B NM	17904
890-6040-1 MSD	H-1	Total/NA	Solid	8015B NM	17904

Analysis Batch: 17979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Total/NA	Solid	8015 NM	
890-6040-2	H-2	Total/NA	Solid	8015 NM	
890-6040-3	H-3	Total/NA	Solid	8015 NM	
890-6040-4	H-4	Total/NA	Solid	8015 NM	
890-6040-5	H-5	Total/NA	Solid	8015 NM	
890-6040-6	H-6	Total/NA	Solid	8015 NM	
890-6040-7	H-7	Total/NA	Solid	8015 NM	
890-6040-8	H-8	Total/NA	Solid	8015 NM	
890-6040-9	H-9	Total/NA	Solid	8015 NM	
890-6040-10	H-10	Total/NA	Solid	8015 NM	
890-6040-11	H-11	Total/NA	Solid	8015 NM	
890-6040-12	AH-4 4-4.5	Total/NA	Solid	8015 NM	
890-6040-13	AH-5 1-1.5	Total/NA	Solid	8015 NM	
890-6040-14	AH-5 2-2.5	Total/NA	Solid	8015 NM	
890-6040-15	AH-6 1-1.5	Total/NA	Solid	8015 NM	
890-6040-16	AH-6 2-2.5	Total/NA	Solid	8015 NM	
890-6040-17	AH-6 3-3.5	Total/NA	Solid	8015 NM	
890-6040-18	AH-6 4-4.5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Soluble	Solid	DI Leach	
890-6040-2	H-2	Soluble	Solid	DI Leach	
890-6040-3	H-3	Soluble	Solid	DI Leach	
890-6040-4	H-4	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

HPLC/IC (Continued)

Leach Batch: 71894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-5	H-5	Soluble	Solid	DI Leach	
890-6040-6	H-6	Soluble	Solid	DI Leach	
890-6040-7	H-7	Soluble	Solid	DI Leach	
890-6040-8	H-8	Soluble	Solid	DI Leach	
890-6040-9	H-9	Soluble	Solid	DI Leach	
890-6040-10	H-10	Soluble	Solid	DI Leach	
890-6040-11	H-11	Soluble	Solid	DI Leach	
890-6040-12	AH-4 4-4.5	Soluble	Solid	DI Leach	
890-6040-13	AH-5 1-1.5	Soluble	Solid	DI Leach	
890-6040-14	AH-5 2-2.5	Soluble	Solid	DI Leach	
890-6040-15	AH-6 1-1.5	Soluble	Solid	DI Leach	
890-6040-16	AH-6 2-2.5	Soluble	Solid	DI Leach	
890-6040-17	AH-6 3-3.5	Soluble	Solid	DI Leach	
890-6040-18	AH-6 4-4.5	Soluble	Solid	DI Leach	
MB 880-71894/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71894/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71894/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6040-1 MS	H-1	Soluble	Solid	DI Leach	
890-6040-1 MSD	H-1	Soluble	Solid	DI Leach	
890-6040-11 MS	H-11	Soluble	Solid	DI Leach	
890-6040-11 MSD	H-11	Soluble	Solid	DI Leach	

Analysis Batch: 72022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6040-1	H-1	Soluble	Solid	300.0	71894
890-6040-2	H-2	Soluble	Solid	300.0	71894
890-6040-3	H-3	Soluble	Solid	300.0	71894
890-6040-4	H-4	Soluble	Solid	300.0	71894
890-6040-5	H-5	Soluble	Solid	300.0	71894
890-6040-6	H-6	Soluble	Solid	300.0	71894
890-6040-7	H-7	Soluble	Solid	300.0	71894
890-6040-8	H-8	Soluble	Solid	300.0	71894
890-6040-9	H-9	Soluble	Solid	300.0	71894
890-6040-10	H-10	Soluble	Solid	300.0	71894
890-6040-11	H-11	Soluble	Solid	300.0	71894
890-6040-12	AH-4 4-4.5	Soluble	Solid	300.0	71894
890-6040-13	AH-5 1-1.5	Soluble	Solid	300.0	71894
890-6040-14	AH-5 2-2.5	Soluble	Solid	300.0	71894
890-6040-15	AH-6 1-1.5	Soluble	Solid	300.0	71894
890-6040-16	AH-6 2-2.5	Soluble	Solid	300.0	71894
890-6040-17	AH-6 3-3.5	Soluble	Solid	300.0	71894
890-6040-18	AH-6 4-4.5	Soluble	Solid	300.0	71894
MB 880-71894/1-A	Method Blank	Soluble	Solid	300.0	71894
LCS 880-71894/2-A	Lab Control Sample	Soluble	Solid	300.0	71894
LCSD 880-71894/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71894
890-6040-1 MS	H-1	Soluble	Solid	300.0	71894
890-6040-1 MSD	H-1	Soluble	Solid	300.0	71894
890-6040-11 MS	H-11	Soluble	Solid	300.0	71894
890-6040-11 MSD	H-11	Soluble	Solid	300.0	71894

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-1
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-1
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 16:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 06:48	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 06:48	WP	EET DAL
Soluble	Leach	DI Leach			5.02 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:09	CH	EET MID

Client Sample ID: H-2
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-2
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 07:50	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 07:50	WP	EET DAL
Soluble	Leach	DI Leach			5 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:24	CH	EET MID

Client Sample ID: H-3
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-3
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 17:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 08:10	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 08:10	WP	EET DAL
Soluble	Leach	DI Leach			5.05 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:29	CH	EET MID

Client Sample ID: H-4
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-4
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 17:45	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-4

Lab Sample ID: 890-6040-4

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			17979	02/05/24 08:31	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 08:31	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:33	CH	EET MID

Client Sample ID: H-5

Lab Sample ID: 890-6040-5

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 08:52	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 08:52	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:38	CH	EET MID

Client Sample ID: H-6

Lab Sample ID: 890-6040-6

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 09:12	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 09:12	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:53	CH	EET MID

Client Sample ID: H-7

Lab Sample ID: 890-6040-7

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 09:33	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 09:33	WP	EET DAL

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-7
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-7
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			5.04 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 06:58	CH	EET MID

Client Sample ID: H-8
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-8
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			5.01 g	5 mL	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 19:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 09:53	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 09:53	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:03	CH	EET MID

Client Sample ID: H-9
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-9
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			4.97 g	5 mL	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 19:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 10:14	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 10:14	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:08	CH	EET MID

Client Sample ID: H-10
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-10
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			4.99 g	5 mL	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 20:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 10:34	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 10:34	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:13	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: H-11
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-11
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 22:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 22:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 11:15	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 11:15	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:18	CH	EET MID

Client Sample ID: AH-4 4-4.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-12
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 22:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 11:36	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 11:36	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:33	CH	EET MID

Client Sample ID: AH-5 1-1.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-13
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 22:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 22:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 11:57	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 11:57	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:37	CH	EET MID

Client Sample ID: AH-5 2-2.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-14
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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 23:24	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-5 2-2.5

Lab Sample ID: 890-6040-14

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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			17979	02/05/24 12:17	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 12:17	WP	EET DAL
Soluble	Leach	DI Leach			5.05 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:52	CH	EET MID

Client Sample ID: AH-6 1-1.5

Lab Sample ID: 890-6040-15

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/05/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/05/24 23:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 12:38	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 12:38	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 07:57	CH	EET MID

Client Sample ID: AH-6 2-2.5

Lab Sample ID: 890-6040-16

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/06/24 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/06/24 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 12:58	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 12:58	WP	EET DAL
Soluble	Leach	DI Leach			5 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 08:02	CH	EET MID

Client Sample ID: AH-6 3-3.5

Lab Sample ID: 890-6040-17

Date Collected: 01/25/24 00:00

Matrix: Solid

Date Received: 01/26/24 08:32

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	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/06/24 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/06/24 00:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 13:19	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 13:19	WP	EET DAL

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Client Sample ID: AH-6 3-3.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-17
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			5 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 08:07	CH	EET MID

Client Sample ID: AH-6 4-4.5
Date Collected: 01/25/24 00:00
Date Received: 01/26/24 08:32

Lab Sample ID: 890-6040-18
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			5.01 g	5 mL	72108	02/01/24 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72370	02/06/24 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72527	02/06/24 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			17979	02/05/24 13:39	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17904	01/30/24 11:05	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17969	02/05/24 13:39	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71894	01/29/24 17:19	SA	EET MID
Soluble	Analysis	300.0		1			72022	02/03/24 08:12	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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 204

Job ID: 890-6040-1
SDG: 212C-MD-

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

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	T104704400-23-26	06-30-24

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
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

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 DAL
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET DAL
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET DAL
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 DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 204

Job ID: 890-6040-1
SDG: 212C-MD-

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6040-1	H-1	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-2	H-2	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-3	H-3	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-4	H-4	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-5	H-5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-6	H-6	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-7	H-7	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-8	H-8	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-9	H-9	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-10	H-10	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-11	H-11	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-12	AH-4 4-4.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-13	AH-5 1-1.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-14	AH-5 2-2.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-15	AH-6 1-1.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-16	AH-6 2-2.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-17	AH-6 3-3.5	Solid	01/25/24 00:00	01/26/24 08:32
890-6040-18	AH-6 4-4.5	Solid	01/25/24 00:00	01/26/24 08:32

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Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946



890-6040 Chain of Custody

[illegible]

Analysis Request of Chain of Custody Record

Page

Loc: 890
6040

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2/12/2024

Released to Imaging: 8/15/2025 8:15:20 AM

LAB # (LAB USE ONLY)		SAMPLE IDENTIFICATION		SAMPLING YEAR: 2024		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)																					
DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None						BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Action/Cation Balance	Hold		
1/25/2024		X				X							X		X	X																		
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					
1/25/2024		X				X							X		X	X													X					

Relinquished by: Miguel A Flores	Date: 1/26/24	Time: 0831	Received by: [Signature]	Date: 1/26/24	Time: 08:31
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS: ☒ Standard TAT ☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report
Sample Temperature	

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

2/12/2024

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Kramer, Jessica		Carrier Tracking No(s):		COC No: 880-9074.1			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 1 of 2			
Company: Eurofins Environment Testing South Cent				Accreditations Required (See note): NELAP - Louisiana; NELAP - Texas				Job #: 890-6040-1			
Address: 9701 Harry Hines Blvd,		Due Date Requested: 2/1/2024		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:	
City: Dallas		TAT Requested (days):									
State, Zip: TX, 75220		PO #:									
Phone: 214-902-0300(Tel)		WO #:									
Email:											
Project Name: MLMU 204		Project #: 88001892		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site:		SSOW#:		8015MOD_Calc		8015MOD_NM/8015NM_S_Prep					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Special Instructions/Note:					
H-1 (890-6040-1)		1/25/24	Central		Solid	X	X			1	
H-2 (890-6040-2)		1/25/24	Central		Solid	X	X			1	
H-3 (890-6040-3)		1/25/24	Central		Solid	X	X			1	
H-4 (890-6040-4)		1/25/24	Central		Solid	X	X			1	
H-5 (890-6040-5)		1/25/24	Central		Solid	X	X			1	
H-6 (890-6040-6)		1/25/24	Central		Solid	X	X			1	
H-7 (890-6040-7)		1/25/24	Central		Solid	X	X			1	
H-8 (890-6040-8)		1/25/24	Central		Solid	X	X			1	
H-9 (890-6040-9)		1/25/24	Central		Solid	X	X			1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:					
Empty Kit Relinquished by:						Method of Shipment:					
Relinquished by:						Received by:					
Relinquished by:						Received by:					
Relinquished by:						Received by:					
Custody Seals Intact: Δ Yes Δ No						Cooler Temperature(s) °C and Other Remarks:					

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Released to Imaging: 8/15/2025 8:15:20 AM

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Kramer, Jessica		Carrier Tracking No(s):		COC No: 880-9074.2												
Client Contact: Shipping/Receiving		Phone:		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 2 of 2												
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Louisiana; NELAP - Texas				Job #: 890-6040-1												
Address: 9701 Harry Hines Blvd,		Due Date Requested: 2/1/2024		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:										
City: Dallas		TAT Requested (days):																		
State, Zip: TX, 75220		PO #:																		
Phone: 214-902-0300(Tel)		WO #:																		
Email:																				
Project Name: MLMU 204		Project #: 88001892		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers												
Site:		SSOW#:		8015MOD_Calc		8015MOD_NM/8016NM_S_Prep														
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)							Special Instructions/Note:								
				Preservation Code:																
H-10 (890-6040-10)		1/25/24	Central		Solid		X	X					1							
H-11 (890-6040-11)		1/25/24	Central		Solid		X	X					1							
AH-4 4-4.5 (890-6040-12)		1/25/24	Central		Solid		X	X					1							
AH-5 1-1.5 (890-6040-13)		1/25/24	Central		Solid		X	X					1							
AH-5 2-2.5 (890-6040-14)		1/25/24	Central		Solid		X	X					1							
AH-6 1-1.5 (890-6040-15)		1/25/24	Central		Solid		X	X					1							
AH-6 2-2.5 (890-6040-16)		1/25/24	Central		Solid		X	X					1							
AH-6 3-3.5 (890-6040-17)		1/25/24	Central		Solid		X	X					1							
AH-6 4-4.5 (890-6040-18)		1/25/24	Central		Solid		X	X					1							
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.																				
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months														
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2						Special Instructions/QC Requirements:								
Empty Kit Relinquished by:						Date:			Time:			Method of Shipment:								
Relinquished by:						Date/Time:			Company			Received by:			Date/Time:			Company		
Relinquished by:						Date/Time:			Company			Received by:			Date/Time:			Company		
Relinquished by:						Date/Time:			Company			Received by:			Date/Time:			Company		
Custody Seals Intact:						Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks:								
Δ Yes Δ No																				

Ver: 06/08/2021

Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



eurofins |

Environment Testing

2/12/2024

Client Information (Sub Contract Lab)		Sampler		Lab PM		Carrier Tracking No(s)		COC No:	
Client Contact: Shipping/Receiving		Phone:		Kramer Jessica		E-Mail Jessica.Kramer@et.eurofinsus.com		890-2341 1	
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note) NELAP - Louisiana NELAP - Texas		Job #: 890-6040-1		Page Page 1 of 2			
Address 1211 W Florida Ave,		Due Date Requested 2/1/2024		Analysis Requested		Preservation Codes			
City: Midland		TAT Requested (days):				A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)			
State Zip: TX, 79701		PO #:							
Phone: 432-704-5440(Tel)		WO #:							
Email									
Project Name: MLMU 204		Project #: 88001892							
Site		SSOW#:							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
H-1 (890-6040-1)		1/25/24		Central		Solid		1	
H-2 (890-6040-2)		1/25/24		Central		Solid		1	
H-3 (890-6040-3)		1/25/24		Central		Solid		1	
H-4 (890-6040-4)		1/25/24		Central		Solid		1	
H-5 (890-6040-5)		1/25/24		Central		Solid		1	
H-6 (890-6040-6)		1/25/24		Central		Solid		1	
H-7 (890-6040-7)		1/25/24		Central		Solid		1	
H-8 (890-6040-8)		1/25/24		Central		Solid		1	
H-9 (890-6040-9)		1/25/24		Central		Solid		1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I II III IV Other (specify)					Primary Deliverable Rank. 2				
Special Instructions/QC Requirements									
Empty Kit Relinquished by					Date				
Relinquished by:					Date/Time:				
Relinquished by:					Date/Time:				
Relinquished by:					Date/Time:				
Custody Seals Intact.					Custody Seal No				
Cooler Temperature(s) °C and Other Remarks									

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Released to Imaging: 8/15/2025 8:15:20 AM

Eurofins Carlsbad

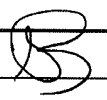
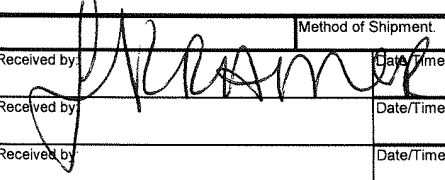
1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing

2/12/2024

Client Information (Sub Contract Lab)		Sampler		Lab PM Kramer Jessica		Carrier Tracking No(s)		COC No: 890-2341 2								
Client Contact: Shipping/Receiving		Phone		E-Mail Jessica.Kramer@et.eurofinsus.com		State of Origin Texas		Page Page 2 of 2								
Company: Eurofins Environment Testing South Central		Accreditations Required (See note) NELAP - Louisiana NELAP - Texas		Job # 890-6040-1												
Address 1211 W Florida Ave		Due Date Requested 2/1/2024		Analysis Requested		Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify) Other:										
City: Midland		TAT Requested (days):														
State Zip: TX, 79701		PO #														
Phone: 432-704-5440(Tel)		WO #														
Email																
Project Name MLMU 204		Project #: 88001892														
Site:		SSOW#:														
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep (MOD) Full TPH	8021B/6035FP_Calc BTEX	300_ORGPM_28DDI_LEACH Chloride	TX_1006/TX_1006_S_Prep Standard List	TX_1006_Calc	Total_BTEX_GCV	8016MOD_Calc	Total Number of containers	Special Instructions/Note
H-10 (890-6040-10)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
H-11 (890-6040-11)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-4 4-4 5 (890-6040-12)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-5 1-1 5 (890-6040-13)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-5 2-2 5 (890-6040-14)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-6 1-1 5 (890-6040-15)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-6 2-2 5 (890-6040-16)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-6 3-3 5 (890-6040-17)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
AH-6 4-4 5 (890-6040-18)		1/25/24	Central		Solid			X	X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.																
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months						
Deliverable Requested I II III IV Other (specify)										Primary Deliverable Rank 2						
										Special Instructions/QC Requirements						
Empty Kit Relinquished by										Date						
Relinquished by: 										Time						
Relinquished by:										Received by: 						
Relinquished by:										Date/Time:						
Relinquished by:										Company:						
Custody Seals Intact: ☐ Yes ☐ No										Custody Seal No						
										Cooler Temperature(s) °C and Other Remarks						

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Released to Imaging: 8/15/2025 8:15:20 AM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-6040-1

SDG Number: 212C-MD-

Login Number: 6040

List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

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: 890-6040-1

SDG Number: 212C-MD-

Login Number: 6040

List Number: 3

Creator: Dabinett, Ian

List Source: Eurofins Dallas

List Creation: 02/01/24 12:45 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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?	N/A	
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.	True	
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: 890-6040-1

SDG Number: 212C-MD-

Login Number: 6040

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 01/29/24 08:46 AM

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.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
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	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/15/2024 2:54:51 PM

JOB DESCRIPTION

JR Oil NO. 204
Lea County NM

JOB NUMBER

890-6636-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

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
5/15/2024 2:54:51 PM

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

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Laboratory Job ID: 890-6636-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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.
α	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: JR Oil NO. 204

Job ID: 890-6636-1

Job ID: 890-6636-1

Eurofins Carlsbad

Job Narrative
890-6636-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 5/8/2024 4:45 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 -1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 1 (4.0') (890-6636-1), BH - 2 (4.0') (890-6636-2), BH - 3 (4.0') (890-6636-3), BH - 4 (4.0') (890-6636-4), BH - 5 (4.0') (890-6636-5), BH - 6 (4.0') (890-6636-6), BH - 7 (4.0') (890-6636-7), BH - 8 (4.0') (890-6636-8), BH - 9 (4.0') (890-6636-9), BH - 10 (4.0') (890-6636-10), BH - 11 (4.0') (890-6636-11), BH - 12 (4.0') (890-6636-12), BH - 13 (4.0') (890-6636-13), BH - 14 (4.0') (890-6636-14), BH - 15 (4.0') (890-6636-15), BH - 16 (4.0') (890-6636-16), BH - 17 (4.0') (890-6636-17), BH - 18 (4.0') (890-6636-18), BH - 19 (4.0') (890-6636-19), BH - 20 (4.0') (890-6636-20), BH - 21 (4.0') (890-6636-21), BH - 22 (4.0') (890-6636-22), BH - 23 (4.0') (890-6636-23), BH - 24 (4.0') (890-6636-24), BH - 25 (4.0') (890-6636-25), BH - 26 (4.0') (890-6636-26), BH - 27 (4.0') (890-6636-27), BH - 28 (4.0') (890-6636-28), BH - 29 (4.0') (890-6636-29), BH - 30 (4.0') (890-6636-30), BH - 31 (4.0') (890-6636-31), BH - 32 (4.0') (890-6636-32), BH - 33 (4.0') (890-6636-33), BH - 34 (4.0') (890-6636-34), BH - 35 (4.0') (890-6636-35), BH - 36 (4.0') (890-6636-36), BH - 37 (4.0') (890-6636-37), BH - 38 (4.0') (890-6636-38), BH - 39 (4.0') (890-6636-39), BH - 40 (4.0') (890-6636-40), SW - 1 (890-6636-41), SW - 2 (890-6636-42), SW - 3 (890-6636-43), SW - 4 (890-6636-44), SW - 5 (890-6636-45), SW - 6 (890-6636-46), SW - 7 (890-6636-47), SW - 8 (890-6636-48), SW - 9 (890-6636-49), SW - 10 (890-6636-50), SW - 11 (890-6636-51), SW - 12 (890-6636-52), SW - 13 (890-6636-53), SW - 14 (890-6636-54), SW - 15 (890-6636-55) and SW - 16 (890-6636-56).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH - 1 (4.0') (890-6636-1), BH - 2 (4.0') (890-6636-2), BH - 3 (4.0') (890-6636-3), BH - 4 (4.0') (890-6636-4), BH - 5 (4.0') (890-6636-5), BH - 6 (4.0') (890-6636-6), BH - 7 (4.0') (890-6636-7), BH - 8 (4.0') (890-6636-8), BH - 9 (4.0') (890-6636-9), BH - 10 (4.0') (890-6636-10), BH - 11 (4.0') (890-6636-11) and BH - 12 (4.0') (890-6636-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-80409 recovered under the lower control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-80445 and analytical batch 880-80420 was outside the upper control limits.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-80445 and analytical batch 880-80420 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-80420 recovered above the upper control limit for Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-80420/20).

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

GC Semi VOA

Eurofins Carlsbad

Case Narrative

Client: Tetra Tech Inc
Project: JR Oil NO. 204

Job ID: 890-6636-1

Job ID: 890-6636-1 (Continued)

Eurofins Carlsbad

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80427 and analytical batch 880-80538 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 - 5 (4.0') (890-6636-5), BH - 9 (4.0') (890-6636-9), BH - 13 (4.0') (890-6636-13) and (890-6636-A-1-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80426 and analytical batch 880-80536 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: SW - 2 (890-6636-42), (890-6636-A-41-B MS) and (890-6636-A-41-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80428 and analytical batch 880-80650 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80432 and analytical batch 880-80469 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.

BH - 31 (4.0') (890-6636-31), BH - 32 (4.0') (890-6636-32), BH - 33 (4.0') (890-6636-33), BH - 34 (4.0') (890-6636-34), BH - 35 (4.0') (890-6636-35), BH - 36 (4.0') (890-6636-36), BH - 37 (4.0') (890-6636-37), BH - 38 (4.0') (890-6636-38), BH - 39 (4.0') (890-6636-39), BH - 40 (4.0') (890-6636-40), (890-6636-A-31-C MS) and (890-6636-A-31-D MSD)

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

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 1 (4.0')

Lab Sample ID: 890-6636-1

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 14:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 14:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 14:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 14:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 14:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	05/10/24 09:33	05/10/24 14:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/10/24 09:33	05/10/24 14:25	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			05/13/24 10:52	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	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/10/24 08:43	05/13/24 10:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/10/24 08:43	05/13/24 10:52	1
o-Terphenyl	105		70 - 130	05/10/24 08:43	05/13/24 10:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4400		49.7		mg/Kg			05/10/24 16:13	10

Client Sample ID: BH - 2 (4.0')

Lab Sample ID: 890-6636-2

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:33	05/10/24 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:33	05/10/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	05/10/24 09:33	05/10/24 14:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 14:45	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			05/13/24 11:53	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 2 (4.0')

Lab Sample ID: 890-6636-2

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 11:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				05/10/24 08:43	05/13/24 11:53	1
o-Terphenyl	93		70 - 130				05/10/24 08:43	05/13/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		99.8		mg/Kg			05/10/24 16:32	20

Client Sample ID: BH - 3 (4.0')

Lab Sample ID: 890-6636-3

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 16:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 16:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 16:35	1
m-Xylene & p-Xylene	0.00564		0.00398		mg/Kg		05/10/24 09:33	05/10/24 16:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 16:35	1
Xylenes, Total	0.00564		0.00398		mg/Kg		05/10/24 09:33	05/10/24 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				05/10/24 09:33	05/10/24 16:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/10/24 09:33	05/10/24 16:35	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			05/13/24 12:13	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		05/10/24 08:43	05/13/24 12:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				05/10/24 08:43	05/13/24 12:13	1
o-Terphenyl	75		70 - 130				05/10/24 08:43	05/13/24 12:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		25.1		mg/Kg			05/10/24 16:39	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 4 (4.0')

Lab Sample ID: 890-6636-4

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 16:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 16:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 16:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 16:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 16:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	05/10/24 09:33	05/10/24 16:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/24 12:33	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		05/10/24 08:43	05/13/24 12:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	05/10/24 08:43	05/13/24 12:33	1
o-Terphenyl	79		70 - 130	05/10/24 08:43	05/13/24 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3530		24.9		mg/Kg			05/10/24 16:45	5

Client Sample ID: BH - 5 (4.0')

Lab Sample ID: 890-6636-5

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 17:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 17:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 17:16	1
m-Xylene & p-Xylene	0.00666		0.00402		mg/Kg		05/10/24 09:33	05/10/24 17:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 17:16	1
Xylenes, Total	0.00666		0.00402		mg/Kg		05/10/24 09:33	05/10/24 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 17:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 17:16	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			05/13/24 12:55	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 5 (4.0')

Lab Sample ID: 890-6636-5

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				05/10/24 08:43	05/13/24 12:55	1
o-Terphenyl	72		70 - 130				05/10/24 08:43	05/13/24 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4180		50.2		mg/Kg			05/10/24 16:51	10

Client Sample ID: BH - 6 (4.0')

Lab Sample ID: 890-6636-6

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/10/24 09:33	05/10/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				05/10/24 09:33	05/10/24 17:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/10/24 09:33	05/10/24 17:37	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			05/13/24 13:15	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	49.7		mg/Kg		05/10/24 08:43	05/13/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				05/10/24 08:43	05/13/24 13:15	1
o-Terphenyl	87		70 - 130				05/10/24 08:43	05/13/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7280		49.7		mg/Kg			05/10/24 17:10	10

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 7 (4.0')

Lab Sample ID: 890-6636-7

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 17:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 17:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 17:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:33	05/10/24 17:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 17:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:33	05/10/24 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 17:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 17:57	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			05/13/24 13:36	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		05/10/24 08:43	05/13/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 13:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	05/10/24 08:43	05/13/24 13:36	1
o-Terphenyl	83		70 - 130	05/10/24 08:43	05/13/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9970		101		mg/Kg			05/10/24 17:17	20

Client Sample ID: BH - 8 (4.0')

Lab Sample ID: 890-6636-8

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 18:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 18:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 18:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:33	05/10/24 18:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 18:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:33	05/10/24 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 18:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/10/24 09:33	05/10/24 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	<49.6	U	49.6		mg/Kg			05/13/24 13:56	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 8 (4.0')

Lab Sample ID: 890-6636-8

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 13:56	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:43	05/13/24 13:56	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:43	05/13/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				05/10/24 08:43	05/13/24 13:56	1
o-Terphenyl	83		70 - 130				05/10/24 08:43	05/13/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8220		49.9		mg/Kg			05/10/24 17:23	10

Client Sample ID: BH - 9 (4.0')

Lab Sample ID: 890-6636-9

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 18:38	1
m-Xylene & p-Xylene	0.00857		0.00398		mg/Kg		05/10/24 09:33	05/10/24 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 18:38	1
Xylenes, Total	0.00857		0.00398		mg/Kg		05/10/24 09:33	05/10/24 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				05/10/24 09:33	05/10/24 18:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/10/24 09:33	05/10/24 18:38	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			05/13/24 14:17	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		05/10/24 08:43	05/13/24 14:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 14:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				05/10/24 08:43	05/13/24 14:17	1
o-Terphenyl	72		70 - 130				05/10/24 08:43	05/13/24 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2090		25.3		mg/Kg			05/10/24 17:29	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 10 (4.0')

Lab Sample ID: 890-6636-10

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 18:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 18:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 18:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:33	05/10/24 18:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:33	05/10/24 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 18:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/10/24 09:33	05/10/24 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	<49.9	U	49.9		mg/Kg			05/13/24 14:37	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	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 14:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	05/10/24 08:43	05/13/24 14:37	1
o-Terphenyl	84		70 - 130	05/10/24 08:43	05/13/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7470		50.0		mg/Kg			05/10/24 17:35	10

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6636-11

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 19:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 19:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 19:19	1
m-Xylene & p-Xylene	0.00605		0.00403		mg/Kg		05/10/24 09:33	05/10/24 19:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:33	05/10/24 19:19	1
Xylenes, Total	0.00605		0.00403		mg/Kg		05/10/24 09:33	05/10/24 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 19:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/13/24 15:18	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6636-11

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 15:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 15:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	05/10/24 08:43	05/13/24 15:18	1
o-Terphenyl	88		70 - 130	05/10/24 08:43	05/13/24 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2830		25.0		mg/Kg			05/10/24 17:42	5

Client Sample ID: BH - 12 (4.0')

Lab Sample ID: 890-6636-12

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:33	05/10/24 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 19:39	1
m-Xylene & p-Xylene	0.00864		0.00398		mg/Kg		05/10/24 09:33	05/10/24 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:33	05/10/24 19:39	1
Xylenes, Total	0.00864		0.00398		mg/Kg		05/10/24 09:33	05/10/24 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/10/24 09:33	05/10/24 19:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:33	05/10/24 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	<50.0	U	50.0		mg/Kg			05/13/24 15:39	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		05/10/24 08:43	05/13/24 15:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 15:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	05/10/24 08:43	05/13/24 15:39	1
o-Terphenyl	75		70 - 130	05/10/24 08:43	05/13/24 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2430		25.1		mg/Kg			05/10/24 18:01	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 13 (4.0')

Lab Sample ID: 890-6636-13

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:39	05/10/24 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:39	05/10/24 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/10/24 09:39	05/10/24 11:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/10/24 09:39	05/10/24 11:42	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			05/13/24 15:59	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	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 15:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 15:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130	05/10/24 08:43	05/13/24 15:59	1
o-Terphenyl	68	S1-	70 - 130	05/10/24 08:43	05/13/24 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		24.9		mg/Kg			05/10/24 18:07	5

Client Sample ID: BH - 14 (4.0')

Lab Sample ID: 890-6636-14

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 12:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 12:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/10/24 09:39	05/10/24 12:02	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/10/24 09:39	05/10/24 12:02	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			05/13/24 16:19	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 14 (4.0')

Lab Sample ID: 890-6636-14

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 16:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 16:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				05/10/24 08:43	05/13/24 16:19	1
o-Terphenyl	77		70 - 130				05/10/24 08:43	05/13/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5750		49.8		mg/Kg			05/10/24 18:26	10

Client Sample ID: BH - 15 (4.0')

Lab Sample ID: 890-6636-15

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 12:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 12:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 12:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/10/24 09:39	05/10/24 12:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/10/24 09:39	05/10/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/24 16:40	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		05/10/24 08:43	05/13/24 16:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 16:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:43	05/13/24 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				05/10/24 08:43	05/13/24 16:40	1
o-Terphenyl	82		70 - 130				05/10/24 08:43	05/13/24 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7950		50.2		mg/Kg			05/10/24 18:32	10

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 16 (4.0')

Lab Sample ID: 890-6636-16

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 12:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 12:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 12:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/10/24 09:39	05/10/24 12:43	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/10/24 09:39	05/10/24 12:43	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			05/13/24 17:00	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		05/10/24 08:43	05/13/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 17:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	05/10/24 08:43	05/13/24 17:00	1
o-Terphenyl	71		70 - 130	05/10/24 08:43	05/13/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3070		25.0		mg/Kg			05/10/24 18:38	5

Client Sample ID: BH - 17 (4.0')

Lab Sample ID: 890-6636-17

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 13:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 13:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 13:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/10/24 09:39	05/10/24 13:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 13:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/10/24 09:39	05/10/24 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/10/24 09:39	05/10/24 13:04	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/10/24 09:39	05/10/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/24 17:21	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 17 (4.0')

Lab Sample ID: 890-6636-17

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 17:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 17:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				05/10/24 08:43	05/13/24 17:21	1
o-Terphenyl	80		70 - 130				05/10/24 08:43	05/13/24 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7480		50.5		mg/Kg			05/10/24 18:45	10

Client Sample ID: BH - 18 (4.0')

Lab Sample ID: 890-6636-18

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 13:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 13:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				05/10/24 09:39	05/10/24 13:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/10/24 09:39	05/10/24 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/13/24 17:41	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		05/10/24 08:43	05/13/24 17:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 17:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:43	05/13/24 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				05/10/24 08:43	05/13/24 17:41	1
o-Terphenyl	85		70 - 130				05/10/24 08:43	05/13/24 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		100		mg/Kg			05/10/24 18:51	20

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 19 (4.0')

Lab Sample ID: 890-6636-19

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 13:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 13:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 13:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/10/24 09:39	05/10/24 13:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/10/24 09:39	05/10/24 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/24 18:01	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		05/10/24 08:43	05/13/24 18:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 18:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:43	05/13/24 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	05/10/24 08:43	05/13/24 18:01	1
o-Terphenyl	79		70 - 130	05/10/24 08:43	05/13/24 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		25.2		mg/Kg			05/10/24 18:57	5

Client Sample ID: BH - 20 (4.0')

Lab Sample ID: 890-6636-20

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 14:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 14:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 14:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/10/24 09:39	05/10/24 14:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 14:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/10/24 09:39	05/10/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/10/24 09:39	05/10/24 14:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/10/24 09:39	05/10/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/13/24 18:22	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 20 (4.0')

Lab Sample ID: 890-6636-20

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:43	05/13/24 18:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:43	05/13/24 18:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:43	05/13/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				05/10/24 08:43	05/13/24 18:22	1
o-Terphenyl	74		70 - 130				05/10/24 08:43	05/13/24 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		4.97		mg/Kg			05/10/24 19:04	1

Client Sample ID: BH - 21 (4.0')

Lab Sample ID: 890-6636-21

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 14:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 14:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 14:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 14:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 14:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/10/24 09:39	05/10/24 14:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/10/24 09:39	05/10/24 14:26	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			05/13/24 10:52	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	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/10/24 08:47	05/13/24 10:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 10:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/10/24 08:47	05/13/24 10:52	1
o-Terphenyl	103		70 - 130				05/10/24 08:47	05/13/24 10:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		25.2		mg/Kg			05/10/24 16:03	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 22 (4.0')

Lab Sample ID: 890-6636-22

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 14:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 14:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 14:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/10/24 09:39	05/10/24 14:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 14:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/10/24 09:39	05/10/24 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/10/24 09:39	05/10/24 14:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/10/24 09:39	05/10/24 14:47	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			05/13/24 11:53	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		05/10/24 08:47	05/13/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 11:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/10/24 08:47	05/13/24 11:53	1
o-Terphenyl	105		70 - 130	05/10/24 08:47	05/13/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9790		100		mg/Kg			05/10/24 16:19	20

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-6636-23

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	05/10/24 09:39	05/10/24 16:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/10/24 09:39	05/10/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/24 12:13	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-6636-23

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 12:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 12:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/10/24 08:47	05/13/24 12:13	1
o-Terphenyl	116		70 - 130				05/10/24 08:47	05/13/24 12:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9120		49.8		mg/Kg			05/10/24 16:25	10

Client Sample ID: BH - 24 (4.0')

Lab Sample ID: 890-6636-24

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 16:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 16:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 16:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/10/24 09:39	05/10/24 16:31	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/10/24 09:39	05/10/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/24 12:33	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		05/10/24 08:47	05/13/24 12:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 12:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/10/24 08:47	05/13/24 12:33	1
o-Terphenyl	98		70 - 130				05/10/24 08:47	05/13/24 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		101		mg/Kg			05/10/24 16:30	20

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 25 (4.0')

Lab Sample ID: 890-6636-25

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 16:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 16:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 16:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 16:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/10/24 09:39	05/10/24 16:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/10/24 09:39	05/10/24 16:51	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			05/13/24 12:55	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		05/10/24 08:47	05/13/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 12:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	05/10/24 08:47	05/13/24 12:55	1
o-Terphenyl	85		70 - 130	05/10/24 08:47	05/13/24 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9970		99.4		mg/Kg			05/10/24 16:36	20

Client Sample ID: BH - 26 (4.0')

Lab Sample ID: 890-6636-26

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 17:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 17:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/10/24 09:39	05/10/24 17:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/10/24 09:39	05/10/24 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/13/24 13:15	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 26 (4.0')

Lab Sample ID: 890-6636-26

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				05/10/24 08:47	05/13/24 13:15	1
o-Terphenyl	81		70 - 130				05/10/24 08:47	05/13/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9060		50.3		mg/Kg			05/10/24 16:52	10

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-6636-27

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 17:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 17:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:39	05/10/24 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 17:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:39	05/10/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/10/24 09:39	05/10/24 17:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/10/24 09:39	05/10/24 17:32	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			05/13/24 13:36	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	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 13:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				05/10/24 08:47	05/13/24 13:36	1
o-Terphenyl	91		70 - 130				05/10/24 08:47	05/13/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7120		49.8		mg/Kg			05/10/24 16:57	10

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-6636-28

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 17:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 17:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 17:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/10/24 09:39	05/10/24 17:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/10/24 09:39	05/10/24 17:53	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			05/13/24 13:56	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		05/10/24 08:47	05/13/24 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/10/24 08:47	05/13/24 13:56	1
o-Terphenyl	92		70 - 130	05/10/24 08:47	05/13/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780		25.2		mg/Kg			05/10/24 17:03	5

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-6636-29

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:39	05/10/24 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:39	05/10/24 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/10/24 09:39	05/10/24 18:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/10/24 09:39	05/10/24 18:13	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			05/13/24 14:17	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-6636-29

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 14:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/10/24 08:47	05/13/24 14:17	1
o-Terphenyl	89		70 - 130				05/10/24 08:47	05/13/24 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5320		49.8		mg/Kg			05/10/24 17:08	10

Client Sample ID: BH - 30 (4.0')

Lab Sample ID: 890-6636-30

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 18:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 18:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 18:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/10/24 09:39	05/10/24 18:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:39	05/10/24 18:34	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/10/24 09:39	05/10/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				05/10/24 09:39	05/10/24 18:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/10/24 09:39	05/10/24 18:34	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			05/13/24 14:37	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	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 14:37	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/10/24 08:47	05/13/24 14:37	1
o-Terphenyl	101		70 - 130				05/10/24 08:47	05/13/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10900		100		mg/Kg			05/10/24 17:14	20

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 31 (4.0')

Lab Sample ID: 890-6636-31

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:39	05/10/24 18:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 18:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 18:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 18:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:39	05/10/24 18:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:39	05/10/24 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/10/24 09:39	05/10/24 18:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/10/24 09:39	05/10/24 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/13/24 15:18	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	<50.1	U	50.1		mg/Kg		05/10/24 08:47	05/13/24 15:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/10/24 08:47	05/13/24 15:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/10/24 08:47	05/13/24 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	05/10/24 08:47	05/13/24 15:18	1
o-Terphenyl	86		70 - 130	05/10/24 08:47	05/13/24 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5570	F1	50.4		mg/Kg			05/10/24 17:19	10

Client Sample ID: BH - 32 (4.0')

Lab Sample ID: 890-6636-32

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 19:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 19:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 19:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/10/24 09:39	05/10/24 19:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:39	05/10/24 19:15	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/10/24 09:39	05/10/24 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/10/24 09:39	05/10/24 19:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/10/24 09:39	05/10/24 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/13/24 15:39	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 32 (4.0')

Lab Sample ID: 890-6636-32

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 15:39	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 15:39	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/10/24 08:47	05/13/24 15:39	1
o-Terphenyl	87		70 - 130				05/10/24 08:47	05/13/24 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5450		49.7		mg/Kg			05/10/24 17:35	10

Client Sample ID: BH - 33 (4.0')

Lab Sample ID: 890-6636-33

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 11:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 11:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 11:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 11:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 11:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/10/24 09:44	05/10/24 11:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/24 09:44	05/10/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/24 15:59	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	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 15:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 15:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/10/24 08:47	05/13/24 15:59	1
o-Terphenyl	90		70 - 130				05/10/24 08:47	05/13/24 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		101		mg/Kg			05/10/24 17:41	20

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 34 (4.0')

Lab Sample ID: 890-6636-34

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 12:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 12:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 12:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/10/24 09:44	05/10/24 12:02	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			05/13/24 16:19	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		05/10/24 08:47	05/13/24 16:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 16:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/10/24 08:47	05/13/24 16:19	1
o-Terphenyl	97		70 - 130	05/10/24 08:47	05/13/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		99.8		mg/Kg			05/10/24 17:57	20

Client Sample ID: BH - 35 (4.0')

Lab Sample ID: 890-6636-35

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 12:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 12:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 12:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 12:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/10/24 09:44	05/10/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/24 16:40	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 35 (4.0')

Lab Sample ID: 890-6636-35

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 16:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 16:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:47	05/13/24 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/10/24 08:47	05/13/24 16:40	1
o-Terphenyl	94		70 - 130	05/10/24 08:47	05/13/24 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2010		25.3		mg/Kg			05/10/24 18:03	5

Client Sample ID: BH - 36 (4.0')

Lab Sample ID: 890-6636-36

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 12:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 12:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 12:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 12:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 12:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/10/24 09:44	05/10/24 12:43	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 12:43	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			05/13/24 17:00	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		05/10/24 08:47	05/13/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 17:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:47	05/13/24 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	05/10/24 08:47	05/13/24 17:00	1
o-Terphenyl	78		70 - 130	05/10/24 08:47	05/13/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1760		24.9		mg/Kg			05/10/24 18:08	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 37 (4.0')

Lab Sample ID: 890-6636-37

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 13:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 13:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 13:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/10/24 09:44	05/10/24 13:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 13:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/10/24 09:44	05/10/24 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/10/24 09:44	05/10/24 13:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/10/24 09:44	05/10/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<47.6	U	47.6		mg/Kg			05/13/24 17:21	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	<47.6	U	47.6		mg/Kg		05/10/24 08:47	05/13/24 17:21	1
Diesel Range Organics (Over C10-C28)	<47.6	U	47.6		mg/Kg		05/10/24 08:47	05/13/24 17:21	1
Oil Range Organics (Over C28-C36)	<47.6	U	47.6		mg/Kg		05/10/24 08:47	05/13/24 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	05/10/24 08:47	05/13/24 17:21	1
o-Terphenyl	86		70 - 130	05/10/24 08:47	05/13/24 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7560		50.2		mg/Kg			05/10/24 18:13	10

Client Sample ID: BH - 38 (4.0')

Lab Sample ID: 890-6636-38

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 13:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 13:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 13:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 13:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 13:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/10/24 09:44	05/10/24 13:24	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/10/24 09:44	05/10/24 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/24 17:41	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 38 (4.0')

Lab Sample ID: 890-6636-38

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:47	05/13/24 17:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 17:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/10/24 08:47	05/13/24 17:41	1
o-Terphenyl	93		70 - 130	05/10/24 08:47	05/13/24 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		25.0		mg/Kg			05/10/24 18:19	5

Client Sample ID: BH - 39 (4.0')

Lab Sample ID: 890-6636-39

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 13:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 13:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 13:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/10/24 09:44	05/10/24 13:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 13:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/10/24 09:44	05/10/24 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/10/24 09:44	05/10/24 13:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/24 18:01	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		05/10/24 08:47	05/13/24 18:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 18:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:47	05/13/24 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	05/10/24 08:47	05/13/24 18:01	1
o-Terphenyl	101		70 - 130	05/10/24 08:47	05/13/24 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9830		99.8		mg/Kg			05/10/24 18:24	20

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 40 (4.0')

Lab Sample ID: 890-6636-40

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 14:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 14:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 14:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/10/24 09:44	05/10/24 14:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 14:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/10/24 09:44	05/10/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/10/24 09:44	05/10/24 14:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/10/24 09:44	05/10/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/13/24 18:22	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		05/10/24 08:47	05/13/24 18:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 18:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:47	05/13/24 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	05/10/24 08:47	05/13/24 18:22	1
o-Terphenyl	89		70 - 130	05/10/24 08:47	05/13/24 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11500		99.6		mg/Kg			05/10/24 18:30	20

Client Sample ID: SW - 1

Lab Sample ID: 890-6636-41

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/10/24 09:44	05/10/24 14:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/10/24 09:44	05/10/24 14:26	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			05/14/24 10:20	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 1

Lab Sample ID: 890-6636-41

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:51	05/14/24 10:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		05/10/24 08:51	05/14/24 10:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/10/24 08:51	05/14/24 10:20	1
o-Terphenyl	106		70 - 130				05/10/24 08:51	05/14/24 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.98		mg/Kg			05/10/24 14:08	1

Client Sample ID: SW - 2

Lab Sample ID: 890-6636-42

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 14:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 14:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/10/24 09:44	05/10/24 14:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/24 09:44	05/10/24 14:47	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			05/14/24 11:22	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		05/10/24 08:51	05/14/24 11:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 11:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	48	S1-	70 - 130				05/10/24 08:51	05/14/24 11:22	1
o-Terphenyl	51	S1-	70 - 130				05/10/24 08:51	05/14/24 11:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		4.98		mg/Kg			05/10/24 14:27	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 3

Lab Sample ID: 890-6636-43

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 16:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 16:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 16:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/10/24 09:44	05/10/24 16:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 16:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/10/24 09:44	05/10/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/10/24 09:44	05/10/24 16:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/10/24 09:44	05/10/24 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/14/24 11:43	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	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 11:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 11:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/10/24 08:51	05/14/24 11:43	1
o-Terphenyl	109		70 - 130				05/10/24 08:51	05/14/24 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.02		mg/Kg			05/10/24 14:33	1

Client Sample ID: SW - 4

Lab Sample ID: 890-6636-44

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 16:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 16:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/10/24 09:44	05/10/24 16:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/10/24 09:44	05/10/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/14/24 12:03	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 4

Lab Sample ID: 890-6636-44

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:51	05/14/24 12:03	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 12:03	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/10/24 08:51	05/14/24 12:03	1
o-Terphenyl	122		70 - 130				05/10/24 08:51	05/14/24 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	834		4.99		mg/Kg			05/10/24 14:39	1

Client Sample ID: SW - 5

Lab Sample ID: 890-6636-45

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 16:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 16:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 16:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/10/24 09:44	05/10/24 16:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/24 09:44	05/10/24 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/14/24 12:24	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		05/10/24 08:51	05/14/24 12:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 12:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/10/24 08:51	05/14/24 12:24	1
o-Terphenyl	111		70 - 130				05/10/24 08:51	05/14/24 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	656		5.05		mg/Kg			05/10/24 14:45	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 6

Lab Sample ID: 890-6636-46

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 17:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 17:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 09:44	05/10/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/10/24 09:44	05/10/24 17:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 17:12	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			05/14/24 12:44	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		05/10/24 08:51	05/14/24 12:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 12:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/10/24 08:51	05/14/24 12:44	1
o-Terphenyl	105		70 - 130	05/10/24 08:51	05/14/24 12:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		4.97		mg/Kg			05/10/24 15:04	1

Client Sample ID: SW - 7

Lab Sample ID: 890-6636-47

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 17:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:44	05/10/24 17:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 17:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:44	05/10/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 17:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/10/24 09:44	05/10/24 17:33	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			05/14/24 13:05	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 7

Lab Sample ID: 890-6636-47

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:51	05/14/24 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:51	05/14/24 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:51	05/14/24 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	05/10/24 08:51	05/14/24 13:05	1
o-Terphenyl	94		70 - 130	05/10/24 08:51	05/14/24 13:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		5.02		mg/Kg			05/10/24 15:10	1

Client Sample ID: SW - 8

Lab Sample ID: 890-6636-48

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 17:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 17:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 17:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 17:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 17:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/10/24 09:44	05/10/24 17:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 09:44	05/10/24 17:53	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			05/14/24 13:25	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		05/10/24 08:51	05/14/24 13:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/10/24 08:51	05/14/24 13:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/10/24 08:51	05/14/24 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/10/24 08:51	05/14/24 13:25	1
o-Terphenyl	117		70 - 130	05/10/24 08:51	05/14/24 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.0		4.99		mg/Kg			05/10/24 15:16	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 9

Lab Sample ID: 890-6636-49

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 18:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 18:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 18:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 18:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 09:44	05/10/24 18:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 09:44	05/10/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/10/24 09:44	05/10/24 18:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/10/24 09:44	05/10/24 18:14	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			05/14/24 13:46	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		05/10/24 08:51	05/14/24 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 13:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/10/24 08:51	05/14/24 13:46	1
o-Terphenyl	99		70 - 130	05/10/24 08:51	05/14/24 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	881		5.05		mg/Kg			05/10/24 15:22	1

Client Sample ID: SW - 10

Lab Sample ID: 890-6636-50

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 09:44	05/10/24 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 09:44	05/10/24 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/10/24 09:44	05/10/24 18:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/10/24 09:44	05/10/24 18:35	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			05/14/24 14:06	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 10

Lab Sample ID: 890-6636-50

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:51	05/14/24 14:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 14:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/10/24 08:51	05/14/24 14:06	1
o-Terphenyl	105		70 - 130				05/10/24 08:51	05/14/24 14:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		4.97		mg/Kg			05/10/24 15:28	1

Client Sample ID: SW - 11

Lab Sample ID: 890-6636-51

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 09:44	05/10/24 18:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 18:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 18:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/10/24 09:44	05/10/24 18:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/10/24 09:44	05/10/24 18:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/10/24 09:44	05/10/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/10/24 09:44	05/10/24 18:55	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/10/24 09:44	05/10/24 18:55	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			05/14/24 14:47	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		05/10/24 08:51	05/14/24 14:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 14:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/10/24 08:51	05/14/24 14:47	1
o-Terphenyl	103		70 - 130				05/10/24 08:51	05/14/24 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.02		mg/Kg			05/10/24 15:34	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 12

Lab Sample ID: 890-6636-52

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 19:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 19:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 19:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/10/24 09:44	05/10/24 19:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/24 09:44	05/10/24 19:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/10/24 09:44	05/10/24 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/10/24 09:44	05/10/24 19:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/10/24 09:44	05/10/24 19:16	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			05/14/24 15:08	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		05/10/24 08:51	05/14/24 15:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 15:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/10/24 08:51	05/14/24 15:08	1
o-Terphenyl	102		70 - 130	05/10/24 08:51	05/14/24 15:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		5.05		mg/Kg			05/10/24 15:53	1

Client Sample ID: SW - 13

Lab Sample ID: 890-6636-53

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 10:18	05/10/24 13:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 13:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 13:07	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		05/10/24 10:18	05/10/24 13:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 13:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 10:18	05/10/24 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/10/24 10:18	05/10/24 13:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/10/24 10:18	05/10/24 13:07	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			05/14/24 15:28	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 13

Lab Sample ID: 890-6636-53

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 08:51	05/14/24 15:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 15:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/10/24 08:51	05/14/24 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/10/24 08:51	05/14/24 15:28	1
o-Terphenyl	108		70 - 130				05/10/24 08:51	05/14/24 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.03		mg/Kg			05/10/24 15:59	1

Client Sample ID: SW - 14

Lab Sample ID: 890-6636-54

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 10:18	05/10/24 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 13:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 10:18	05/10/24 13:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 13:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 10:18	05/10/24 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				05/10/24 10:18	05/10/24 13:27	1
1,4-Difluorobenzene (Surr)	120		70 - 130				05/10/24 10:18	05/10/24 13:27	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			05/14/24 15:49	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		05/10/24 08:51	05/14/24 15:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 15:49	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/10/24 08:51	05/14/24 15:49	1
o-Terphenyl	111		70 - 130				05/10/24 08:51	05/14/24 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	988		5.02		mg/Kg			05/10/24 16:17	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 15

Lab Sample ID: 890-6636-55

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 10:18	05/10/24 13:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 10:18	05/10/24 13:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 10:18	05/10/24 13:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 10:18	05/10/24 13:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 10:18	05/10/24 13:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 10:18	05/10/24 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/10/24 10:18	05/10/24 13:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/10/24 10:18	05/10/24 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/14/24 16:10	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		05/10/24 08:51	05/14/24 16:10	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 16:10	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/10/24 08:51	05/14/24 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/10/24 08:51	05/14/24 16:10	1
o-Terphenyl	97		70 - 130	05/10/24 08:51	05/14/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		5.03		mg/Kg			05/10/24 16:24	1

Client Sample ID: SW - 16

Lab Sample ID: 890-6636-56

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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		05/10/24 10:18	05/10/24 14:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 14:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 14:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 10:18	05/10/24 14:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 10:18	05/10/24 14:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 10:18	05/10/24 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	05/10/24 10:18	05/10/24 14:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/10/24 10:18	05/10/24 14:08	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			05/14/24 16:30	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 16
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-56
Matrix: Solid

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		05/10/24 08:51	05/14/24 16:30	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 16:30	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/10/24 08:51	05/14/24 16:30	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130				05/10/24 08:51	05/14/24 16:30	1	
o-Terphenyl	95		70 - 130				05/10/24 08:51	05/14/24 16:30	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	199		4.97		mg/Kg			05/10/24 16:30	1	

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-6636-1	BH - 1 (4.0')	134 S1+	97
890-6636-2	BH - 2 (4.0')	136 S1+	98
890-6636-3	BH - 3 (4.0')	135 S1+	98
890-6636-4	BH - 4 (4.0')	135 S1+	98
890-6636-5	BH - 5 (4.0')	138 S1+	98
890-6636-6	BH - 6 (4.0')	138 S1+	98
890-6636-7	BH - 7 (4.0')	138 S1+	98
890-6636-8	BH - 8 (4.0')	138 S1+	97
890-6636-9	BH - 9 (4.0')	138 S1+	98
890-6636-10	BH - 10 (4.0')	138 S1+	99
890-6636-11	BH - 11 (4.0')	138 S1+	98
890-6636-12	BH - 12 (4.0')	138 S1+	98
890-6636-13	BH - 13 (4.0')	86	95
890-6636-13 MS	BH - 13 (4.0')	101	103
890-6636-13 MSD	BH - 13 (4.0')	100	99
890-6636-14	BH - 14 (4.0')	95	89
890-6636-15	BH - 15 (4.0')	88	90
890-6636-16	BH - 16 (4.0')	103	86
890-6636-17	BH - 17 (4.0')	89	91
890-6636-18	BH - 18 (4.0')	85	91
890-6636-19	BH - 19 (4.0')	89	92
890-6636-20	BH - 20 (4.0')	97	88
890-6636-21	BH - 21 (4.0')	88	90
890-6636-22	BH - 22 (4.0')	88	92
890-6636-23	BH - 23 (4.0')	81	92
890-6636-24	BH - 24 (4.0')	87	92
890-6636-25	BH - 25 (4.0')	98	80
890-6636-26	BH - 26 (4.0')	93	92
890-6636-27	BH - 27 (4.0')	89	93
890-6636-28	BH - 28 (4.0')	99	83
890-6636-29	BH - 29 (4.0')	97	90
890-6636-30	BH - 30 (4.0')	100	91
890-6636-31	BH - 31 (4.0')	88	89
890-6636-32	BH - 32 (4.0')	108	85
890-6636-33	BH - 33 (4.0')	104	100
890-6636-33 MS	BH - 33 (4.0')	73	115
890-6636-33 MSD	BH - 33 (4.0')	123	101
890-6636-34	BH - 34 (4.0')	102	100
890-6636-35	BH - 35 (4.0')	102	101
890-6636-36	BH - 36 (4.0')	105	102
890-6636-37	BH - 37 (4.0')	107	99
890-6636-38	BH - 38 (4.0')	107	103
890-6636-39	BH - 39 (4.0')	105	102
890-6636-40	BH - 40 (4.0')	112	101
890-6636-41	SW - 1	112	100
890-6636-42	SW - 2	108	100
890-6636-43	SW - 3	105	101
890-6636-44	SW - 4	102	99
890-6636-45	SW - 5	105	100

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-6636-46	SW - 6	106	102
890-6636-47	SW - 7	102	99
890-6636-48	SW - 8	107	98
890-6636-49	SW - 9	99	103
890-6636-50	SW - 10	112	102
890-6636-51	SW - 11	111	101
890-6636-52	SW - 12	108	99
890-6636-53	SW - 13	96	98
890-6636-53 MS	SW - 13	113	96
890-6636-53 MSD	SW - 13	117	97
890-6636-54	SW - 14	126	120
890-6636-55	SW - 15	120	110
890-6636-56	SW - 16	124	110
890-6638-A-1-C MS	Matrix Spike	130	97
890-6638-A-1-D MSD	Matrix Spike Duplicate	130	97
LCS 880-80439/1-A	Lab Control Sample	127	97
LCS 880-80440/1-A	Lab Control Sample	107	106
LCS 880-80441/1-A	Lab Control Sample	108	99
LCS 880-80445/1-A	Lab Control Sample	101	95
LCSD 880-80439/2-A	Lab Control Sample Dup	128	97
LCSD 880-80440/2-A	Lab Control Sample Dup	101	95
LCSD 880-80441/2-A	Lab Control Sample Dup	112	100
LCSD 880-80445/2-A	Lab Control Sample Dup	114	107
MB 880-80439/5-A	Method Blank	129	94
MB 880-80440/5-A	Method Blank	82	92
MB 880-80441/5-A	Method Blank	80	95
MB 880-80445/5-A	Method Blank	214 S1+	133 S1+
Surrogate Legend			
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)
890-6636-1	BH - 1 (4.0')	100	105
890-6636-1 MS	BH - 1 (4.0')	73	69 S1-
890-6636-1 MSD	BH - 1 (4.0')	73	71
890-6636-2	BH - 2 (4.0')	85	93
890-6636-3	BH - 3 (4.0')	71	75
890-6636-4	BH - 4 (4.0')	75	79
890-6636-5	BH - 5 (4.0')	68 S1-	72
890-6636-6	BH - 6 (4.0')	82	87
890-6636-7	BH - 7 (4.0')	78	83
890-6636-8	BH - 8 (4.0')	76	83
890-6636-9	BH - 9 (4.0')	69 S1-	72
890-6636-10	BH - 10 (4.0')	78	84
890-6636-11	BH - 11 (4.0')	85	88

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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)
890-6636-12	BH - 12 (4.0')	70	75
890-6636-13	BH - 13 (4.0')	63 S1-	68 S1-
890-6636-14	BH - 14 (4.0')	73	77
890-6636-15	BH - 15 (4.0')	76	82
890-6636-16	BH - 16 (4.0')	67 S1-	71
890-6636-17	BH - 17 (4.0')	74	80
890-6636-18	BH - 18 (4.0')	78	85
890-6636-19	BH - 19 (4.0')	75	79
890-6636-20	BH - 20 (4.0')	71	74
890-6636-21	BH - 21 (4.0')	108	103
890-6636-21 MS	BH - 21 (4.0')	91	80
890-6636-21 MSD	BH - 21 (4.0')	96	86
890-6636-22	BH - 22 (4.0')	107	105
890-6636-23	BH - 23 (4.0')	120	116
890-6636-24	BH - 24 (4.0')	102	98
890-6636-25	BH - 25 (4.0')	85	85
890-6636-26	BH - 26 (4.0')	83	81
890-6636-27	BH - 27 (4.0')	95	91
890-6636-28	BH - 28 (4.0')	97	92
890-6636-29	BH - 29 (4.0')	93	89
890-6636-30	BH - 30 (4.0')	103	101
890-6636-31	BH - 31 (4.0')	90	86
890-6636-32	BH - 32 (4.0')	89	87
890-6636-33	BH - 33 (4.0')	91	90
890-6636-34	BH - 34 (4.0')	100	97
890-6636-35	BH - 35 (4.0')	98	94
890-6636-36	BH - 36 (4.0')	80	78
890-6636-37	BH - 37 (4.0')	89	86
890-6636-38	BH - 38 (4.0')	96	93
890-6636-39	BH - 39 (4.0')	103	101
890-6636-40	BH - 40 (4.0')	90	89
890-6636-41	SW - 1	98	106
890-6636-41 MS	SW - 1	42 S1-	37 S1-
890-6636-41 MSD	SW - 1	42 S1-	36 S1-
890-6636-42	SW - 2	48 S1-	51 S1-
890-6636-43	SW - 3	104	109
890-6636-44	SW - 4	116	122
890-6636-45	SW - 5	104	111
890-6636-46	SW - 6	101	105
890-6636-47	SW - 7	88	94
890-6636-48	SW - 8	106	117
890-6636-49	SW - 9	92	99
890-6636-50	SW - 10	99	105
890-6636-51	SW - 11	93	103
890-6636-52	SW - 12	96	102
890-6636-53	SW - 13	99	108
890-6636-54	SW - 14	105	111
890-6636-55	SW - 15	94	97
890-6636-56	SW - 16	89	95
LCS 880-80426/2-A	Lab Control Sample	94	93

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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)
LCS 880-80427/2-A	Lab Control Sample	94	82
LCS 880-80428/2-A	Lab Control Sample	111	101
LCSD 880-80426/3-A	Lab Control Sample Dup	120	119
LCSD 880-80427/3-A	Lab Control Sample Dup	91	79
LCSD 880-80428/3-A	Lab Control Sample Dup	109	100
MB 880-80426/1-A	Method Blank	91	101
MB 880-80427/1-A	Method Blank	99	97
MB 880-80428/1-A	Method Blank	112	122
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-80439/5-A

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:33	05/10/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:33	05/10/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:33	05/10/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	05/10/24 09:33	05/10/24 11:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/10/24 09:33	05/10/24 11:20	1

Lab Sample ID: LCS 880-80439/1-A

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1160		mg/Kg		116	70 - 130
Toluene	0.100	0.1144		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1158		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2438		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1204		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-80439/2-A

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80439

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1177		mg/Kg		118	70 - 130	1	35
Toluene	0.100	0.1165		mg/Kg		116	70 - 130	2	35
Ethylbenzene	0.100	0.1179		mg/Kg		118	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2469		mg/Kg		123	70 - 130	1	35
o-Xylene	0.100	0.1225		mg/Kg		122	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6638-A-1-C MS

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 80439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1125		mg/Kg		113	70 - 130
Toluene	<0.00201	U	0.100	0.1108		mg/Kg		111	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: 890-6638-A-1-C MS

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 80439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1118		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2354		mg/Kg		118	70 - 130
o-Xylene	<0.00201	U	0.100	0.1162		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6638-A-1-D MSD

Matrix: Solid

Analysis Batch: 80409

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 80439

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1088		mg/Kg		109	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.1076		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2259		mg/Kg		113	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.1112		mg/Kg		111	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-80440/5-A

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:39	05/10/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:39	05/10/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/10/24 09:39	05/10/24 11:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/10/24 09:39	05/10/24 11:20	1

Lab Sample ID: LCS 880-80440/1-A

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09696		mg/Kg		97	70 - 130
Toluene	0.100	0.09041		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09790		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-80440/1-A

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09707		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-80440/2-A

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80440

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08774		mg/Kg		88	70 - 130	10	35
Toluene	0.100	0.09157		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.09144		mg/Kg		91	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-6636-13 MS

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: BH - 13 (4.0')

Prep Type: Total/NA

Prep Batch: 80440

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07972		mg/Kg		80	70 - 130
Toluene	<0.00200	U	0.100	0.08350		mg/Kg		83	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1779		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.08093		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-6636-13 MSD

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: BH - 13 (4.0')

Prep Type: Total/NA

Prep Batch: 80440

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08031		mg/Kg		80	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08146		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09161		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1732		mg/Kg		87	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07911		mg/Kg		79	70 - 130	2	35

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: 890-6636-13 MSD

Matrix: Solid

Analysis Batch: 80421

Client Sample ID: BH - 13 (4.0')

Prep Type: Total/NA

Prep Batch: 80440

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-80441/5-A

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80441

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 09:44	05/10/24 11:20	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
4-Bromofluorobenzene (Surr)	80		70 - 130	05/10/24 09:44	05/10/24 11:20	1				
1,4-Difluorobenzene (Surr)	95		70 - 130	05/10/24 09:44	05/10/24 11:20	1				

Lab Sample ID: LCS 880-80441/1-A

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80441

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1046		mg/Kg		105	70 - 130			
Toluene	0.100	0.1058		mg/Kg		106	70 - 130			
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130			
m-Xylene & p-Xylene	0.200	0.2121		mg/Kg		106	70 - 130			
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130			

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-80441/2-A

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80441

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1093		mg/Kg		109	70 - 130	4	35	
Toluene	0.100	0.1114		mg/Kg		111	70 - 130	5	35	
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	5	35	
m-Xylene & p-Xylene	0.200	0.2230		mg/Kg		112	70 - 130	5	35	
o-Xylene	0.100	0.1105		mg/Kg		111	70 - 130	5	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-80441/2-A

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80441

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-6636-33 MS

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: BH - 33 (4.0')

Prep Type: Total/NA

Prep Batch: 80441

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.100	0.1111		mg/Kg		111	70 - 130
Toluene	<0.00201	U	0.100	0.1078		mg/Kg		108	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1025		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2111		mg/Kg		106	70 - 130
o-Xylene	<0.00201	U	0.100	0.1049		mg/Kg		105	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-6636-33 MSD

Matrix: Solid

Analysis Batch: 80423

Client Sample ID: BH - 33 (4.0')

Prep Type: Total/NA

Prep Batch: 80441

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.1044		mg/Kg		104	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.1087		mg/Kg		109	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.1064		mg/Kg		106	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2141		mg/Kg		107	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1055		mg/Kg		106	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-80445/5-A

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80445

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 10:18	05/10/24 12:38	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	05/10/24 10:18	05/10/24 12:38	1				
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	05/10/24 10:18	05/10/24 12:38	1				

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-80445/1-A

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09158		mg/Kg		92	70 - 130
Toluene	0.100	0.08512		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09936		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	0.100	0.08276		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-80445/2-A

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1097		mg/Kg		110	70 - 130	18	35
Toluene	0.100	0.09405		mg/Kg		94	70 - 130	10	35
Ethylbenzene	0.100	0.1163		mg/Kg		116	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130	20	35
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-6636-53 MS

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: SW - 13

Prep Type: Total/NA

Prep Batch: 80445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1165		mg/Kg		116	70 - 130
Toluene	<0.00201	U	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2620	F1	mg/Kg		131	70 - 130
o-Xylene	<0.00201	U	0.100	0.1134		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6636-53 MSD

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: SW - 13

Prep Type: Total/NA

Prep Batch: 80445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09696		mg/Kg		97	70 - 130	18	35
Toluene	<0.00201	U	0.100	0.09128		mg/Kg		91	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.100	0.1048		mg/Kg		105	70 - 130	16	35

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: 890-6636-53 MSD

Matrix: Solid

Analysis Batch: 80420

Client Sample ID: SW - 13

Prep Type: Total/NA

Prep Batch: 80445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2253		mg/Kg		113	70 - 130	15	35
o-Xylene	<0.00201	U	0.100	0.09573		mg/Kg		96	70 - 130	17	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

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

Lab Sample ID: MB 880-80426/1-A

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80426

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		05/10/24 08:43	05/13/24 08:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 08:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:43	05/13/24 08:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/10/24 08:43	05/13/24 08:00	1
o-Terphenyl	101		70 - 130				05/10/24 08:43	05/13/24 08:00	1

Lab Sample ID: LCS 880-80426/2-A

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	975.8		mg/Kg		98	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: LCSD 880-80426/3-A

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1178		mg/Kg		118	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1130		mg/Kg		113	70 - 130	15	20

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-80426/3-A

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80426

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-6636-1 MS

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: BH - 1 (4.0')

Prep Type: Total/NA

Prep Batch: 80426

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	931.1		mg/Kg		92	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	479.9	F1	mg/Kg		48	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	73		70 - 130							
o-Terphenyl	69	S1-	70 - 130							

Lab Sample ID: 890-6636-1 MSD

Matrix: Solid

Analysis Batch: 80536

Client Sample ID: BH - 1 (4.0')

Prep Type: Total/NA

Prep Batch: 80426

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	946.3		mg/Kg		93	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	492.8	F1	mg/Kg		49	70 - 130	3	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	73		70 - 130									
o-Terphenyl	71		70 - 130									

Lab Sample ID: MB 880-80427/1-A

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80427

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 08:00	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 08:00	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:47	05/13/24 08:00	1		
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	99		70 - 130				05/10/24 08:47	05/13/24 08:00	1		
o-Terphenyl	97		70 - 130				05/10/24 08:47	05/13/24 08:00	1		

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-80427/2-A

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	840.3		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	799.4		mg/Kg		80	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	82		70 - 130				

Lab Sample ID: LCSD 880-80427/3-A

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80427

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	840.2		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	800.4		mg/Kg		80	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	79		70 - 130						

Lab Sample ID: 890-6636-21 MS

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: BH - 21 (4.0')

Prep Type: Total/NA

Prep Batch: 80427

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	1000	1028		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	554.4	F1	mg/Kg		55	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 890-6636-21 MSD

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: BH - 21 (4.0')

Prep Type: Total/NA

Prep Batch: 80427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1065		mg/Kg		104	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	595.7	F1	mg/Kg		60	70 - 130	7	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	96		70 - 130								

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: 890-6636-21 MSD

Matrix: Solid

Analysis Batch: 80538

Client Sample ID: BH - 21 (4.0')

Prep Type: Total/NA

Prep Batch: 80427

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	86		70 - 130

Lab Sample ID: MB 880-80428/1-A

Matrix: Solid

Analysis Batch: 80650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80428

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 07:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 07:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/10/24 08:51	05/14/24 07:54	1
1-Chlorooctane	112		70 - 130				05/10/24 08:51	05/14/24 07:54	1
<i>o</i> -Terphenyl	122		70 - 130				05/10/24 08:51	05/14/24 07:54	1

Lab Sample ID: LCS 880-80428/2-A

Matrix: Solid

Analysis Batch: 80650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1085		mg/Kg		109	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	111		70 - 130				
<i>o</i> -Terphenyl	101		70 - 130				

Lab Sample ID: LCSD 880-80428/3-A

Matrix: Solid

Analysis Batch: 80650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	0	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
<i>o</i> -Terphenyl	100		70 - 130						

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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

Lab Sample ID: 890-6636-41 MS

Matrix: Solid

Analysis Batch: 80650

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 80428

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	996	1099		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	663.9	F1	mg/Kg		67	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	42	S1-	70 - 130						
o-Terphenyl	37	S1-	70 - 130						

Lab Sample ID: 890-6636-41 MSD

Matrix: Solid

Analysis Batch: 80650

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 80428

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	996	1107		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	657.6	F1	mg/Kg		66	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	42	S1-	70 - 130								
o-Terphenyl	36	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80431/1-A

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/10/24 15:54	1

Lab Sample ID: LCS 880-80431/2-A

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.0		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-80431/3-A

Matrix: Solid

Analysis Batch: 80458

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	231.9		mg/Kg		93	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6636-1 MS

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: BH - 1 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4400		2490	6970		mg/Kg		103	90 - 110		

Lab Sample ID: 890-6636-1 MSD

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: BH - 1 (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	4400		2490	6943		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-6636-11 MS

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: BH - 11 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2830		1250	4140		mg/Kg		105	90 - 110		

Lab Sample ID: 890-6636-11 MSD

Matrix: Solid

Analysis Batch: 80458

Client Sample ID: BH - 11 (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	2830		1250	4186		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-80432/1-A

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/10/24 15:47	1

Lab Sample ID: LCS 880-80432/2-A

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	252.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-80432/3-A

Matrix: Solid

Analysis Batch: 80469

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	252.8		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-6636-21 MS

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: BH - 21 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1700		1260	3029		mg/Kg		106	90 - 110		

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6636-21 MSD

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: BH - 21 (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	1700		1260	3036		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-6636-31 MS

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: BH - 31 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5570	F1	2520	8526	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 890-6636-31 MSD

Matrix: Solid

Analysis Batch: 80469

Client Sample ID: BH - 31 (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	5570	F1	2520	8514	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: MB 880-80434/1-A

Matrix: Solid

Analysis Batch: 80476

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/10/24 13:50	1

Lab Sample ID: LCS 880-80434/2-A

Matrix: Solid

Analysis Batch: 80476

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	242.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-80434/3-A

Matrix: Solid

Analysis Batch: 80476

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	240.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-6636-41 MS

Matrix: Solid

Analysis Batch: 80476

Client Sample ID: SW - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	123		249	364.7		mg/Kg		97	90 - 110		

Lab Sample ID: 890-6636-41 MSD

Matrix: Solid

Analysis Batch: 80476

Client Sample ID: SW - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	123		249	368.1		mg/Kg		98	90 - 110	1	20

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6636-51 MS										Client Sample ID: SW - 11		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 80476												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	197		251	443.3		mg/Kg		98	90 - 110			

Lab Sample ID: 890-6636-51 MSD										Client Sample ID: SW - 11		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 80476												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	197		251	440.8		mg/Kg		97	90 - 110	1	20	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC VOA

Analysis Batch: 80409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Total/NA	Solid	8021B	80439
890-6636-2	BH - 2 (4.0')	Total/NA	Solid	8021B	80439
890-6636-3	BH - 3 (4.0')	Total/NA	Solid	8021B	80439
890-6636-4	BH - 4 (4.0')	Total/NA	Solid	8021B	80439
890-6636-5	BH - 5 (4.0')	Total/NA	Solid	8021B	80439
890-6636-6	BH - 6 (4.0')	Total/NA	Solid	8021B	80439
890-6636-7	BH - 7 (4.0')	Total/NA	Solid	8021B	80439
890-6636-8	BH - 8 (4.0')	Total/NA	Solid	8021B	80439
890-6636-9	BH - 9 (4.0')	Total/NA	Solid	8021B	80439
890-6636-10	BH - 10 (4.0')	Total/NA	Solid	8021B	80439
890-6636-11	BH - 11 (4.0')	Total/NA	Solid	8021B	80439
890-6636-12	BH - 12 (4.0')	Total/NA	Solid	8021B	80439
MB 880-80439/5-A	Method Blank	Total/NA	Solid	8021B	80439
LCS 880-80439/1-A	Lab Control Sample	Total/NA	Solid	8021B	80439
LCSD 880-80439/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80439
890-6638-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	80439
890-6638-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80439

Analysis Batch: 80420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-53	SW - 13	Total/NA	Solid	8021B	80445
890-6636-54	SW - 14	Total/NA	Solid	8021B	80445
890-6636-55	SW - 15	Total/NA	Solid	8021B	80445
890-6636-56	SW - 16	Total/NA	Solid	8021B	80445
MB 880-80445/5-A	Method Blank	Total/NA	Solid	8021B	80445
LCS 880-80445/1-A	Lab Control Sample	Total/NA	Solid	8021B	80445
LCSD 880-80445/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80445
890-6636-53 MS	SW - 13	Total/NA	Solid	8021B	80445
890-6636-53 MSD	SW - 13	Total/NA	Solid	8021B	80445

Analysis Batch: 80421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-13	BH - 13 (4.0')	Total/NA	Solid	8021B	80440
890-6636-14	BH - 14 (4.0')	Total/NA	Solid	8021B	80440
890-6636-15	BH - 15 (4.0')	Total/NA	Solid	8021B	80440
890-6636-16	BH - 16 (4.0')	Total/NA	Solid	8021B	80440
890-6636-17	BH - 17 (4.0')	Total/NA	Solid	8021B	80440
890-6636-18	BH - 18 (4.0')	Total/NA	Solid	8021B	80440
890-6636-19	BH - 19 (4.0')	Total/NA	Solid	8021B	80440
890-6636-20	BH - 20 (4.0')	Total/NA	Solid	8021B	80440
890-6636-21	BH - 21 (4.0')	Total/NA	Solid	8021B	80440
890-6636-22	BH - 22 (4.0')	Total/NA	Solid	8021B	80440
890-6636-23	BH - 23 (4.0')	Total/NA	Solid	8021B	80440
890-6636-24	BH - 24 (4.0')	Total/NA	Solid	8021B	80440
890-6636-25	BH - 25 (4.0')	Total/NA	Solid	8021B	80440
890-6636-26	BH - 26 (4.0')	Total/NA	Solid	8021B	80440
890-6636-27	BH - 27 (4.0')	Total/NA	Solid	8021B	80440
890-6636-28	BH - 28 (4.0')	Total/NA	Solid	8021B	80440
890-6636-29	BH - 29 (4.0')	Total/NA	Solid	8021B	80440
890-6636-30	BH - 30 (4.0')	Total/NA	Solid	8021B	80440
890-6636-31	BH - 31 (4.0')	Total/NA	Solid	8021B	80440

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 80421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-32	BH - 32 (4.0')	Total/NA	Solid	8021B	80440
MB 880-80440/5-A	Method Blank	Total/NA	Solid	8021B	80440
LCS 880-80440/1-A	Lab Control Sample	Total/NA	Solid	8021B	80440
LCSD 880-80440/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80440
890-6636-13 MS	BH - 13 (4.0')	Total/NA	Solid	8021B	80440
890-6636-13 MSD	BH - 13 (4.0')	Total/NA	Solid	8021B	80440

Analysis Batch: 80423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-33	BH - 33 (4.0')	Total/NA	Solid	8021B	80441
890-6636-34	BH - 34 (4.0')	Total/NA	Solid	8021B	80441
890-6636-35	BH - 35 (4.0')	Total/NA	Solid	8021B	80441
890-6636-36	BH - 36 (4.0')	Total/NA	Solid	8021B	80441
890-6636-37	BH - 37 (4.0')	Total/NA	Solid	8021B	80441
890-6636-38	BH - 38 (4.0')	Total/NA	Solid	8021B	80441
890-6636-39	BH - 39 (4.0')	Total/NA	Solid	8021B	80441
890-6636-40	BH - 40 (4.0')	Total/NA	Solid	8021B	80441
890-6636-41	SW - 1	Total/NA	Solid	8021B	80441
890-6636-42	SW - 2	Total/NA	Solid	8021B	80441
890-6636-43	SW - 3	Total/NA	Solid	8021B	80441
890-6636-44	SW - 4	Total/NA	Solid	8021B	80441
890-6636-45	SW - 5	Total/NA	Solid	8021B	80441
890-6636-46	SW - 6	Total/NA	Solid	8021B	80441
890-6636-47	SW - 7	Total/NA	Solid	8021B	80441
890-6636-48	SW - 8	Total/NA	Solid	8021B	80441
890-6636-49	SW - 9	Total/NA	Solid	8021B	80441
890-6636-50	SW - 10	Total/NA	Solid	8021B	80441
890-6636-51	SW - 11	Total/NA	Solid	8021B	80441
890-6636-52	SW - 12	Total/NA	Solid	8021B	80441
MB 880-80441/5-A	Method Blank	Total/NA	Solid	8021B	80441
LCS 880-80441/1-A	Lab Control Sample	Total/NA	Solid	8021B	80441
LCSD 880-80441/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80441
890-6636-33 MS	BH - 33 (4.0')	Total/NA	Solid	8021B	80441
890-6636-33 MSD	BH - 33 (4.0')	Total/NA	Solid	8021B	80441

Prep Batch: 80439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Total/NA	Solid	5035	
890-6636-2	BH - 2 (4.0')	Total/NA	Solid	5035	
890-6636-3	BH - 3 (4.0')	Total/NA	Solid	5035	
890-6636-4	BH - 4 (4.0')	Total/NA	Solid	5035	
890-6636-5	BH - 5 (4.0')	Total/NA	Solid	5035	
890-6636-6	BH - 6 (4.0')	Total/NA	Solid	5035	
890-6636-7	BH - 7 (4.0')	Total/NA	Solid	5035	
890-6636-8	BH - 8 (4.0')	Total/NA	Solid	5035	
890-6636-9	BH - 9 (4.0')	Total/NA	Solid	5035	
890-6636-10	BH - 10 (4.0')	Total/NA	Solid	5035	
890-6636-11	BH - 11 (4.0')	Total/NA	Solid	5035	
890-6636-12	BH - 12 (4.0')	Total/NA	Solid	5035	
MB 880-80439/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80439/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 80439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-80439/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6638-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-6638-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 80440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-13	BH - 13 (4.0')	Total/NA	Solid	5035	
890-6636-14	BH - 14 (4.0')	Total/NA	Solid	5035	
890-6636-15	BH - 15 (4.0')	Total/NA	Solid	5035	
890-6636-16	BH - 16 (4.0')	Total/NA	Solid	5035	
890-6636-17	BH - 17 (4.0')	Total/NA	Solid	5035	
890-6636-18	BH - 18 (4.0')	Total/NA	Solid	5035	
890-6636-19	BH - 19 (4.0')	Total/NA	Solid	5035	
890-6636-20	BH - 20 (4.0')	Total/NA	Solid	5035	
890-6636-21	BH - 21 (4.0')	Total/NA	Solid	5035	
890-6636-22	BH - 22 (4.0')	Total/NA	Solid	5035	
890-6636-23	BH - 23 (4.0')	Total/NA	Solid	5035	
890-6636-24	BH - 24 (4.0')	Total/NA	Solid	5035	
890-6636-25	BH - 25 (4.0')	Total/NA	Solid	5035	
890-6636-26	BH - 26 (4.0')	Total/NA	Solid	5035	
890-6636-27	BH - 27 (4.0')	Total/NA	Solid	5035	
890-6636-28	BH - 28 (4.0')	Total/NA	Solid	5035	
890-6636-29	BH - 29 (4.0')	Total/NA	Solid	5035	
890-6636-30	BH - 30 (4.0')	Total/NA	Solid	5035	
890-6636-31	BH - 31 (4.0')	Total/NA	Solid	5035	
890-6636-32	BH - 32 (4.0')	Total/NA	Solid	5035	
MB 880-80440/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80440/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80440/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6636-13 MS	BH - 13 (4.0')	Total/NA	Solid	5035	
890-6636-13 MSD	BH - 13 (4.0')	Total/NA	Solid	5035	

Prep Batch: 80441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-33	BH - 33 (4.0')	Total/NA	Solid	5035	
890-6636-34	BH - 34 (4.0')	Total/NA	Solid	5035	
890-6636-35	BH - 35 (4.0')	Total/NA	Solid	5035	
890-6636-36	BH - 36 (4.0')	Total/NA	Solid	5035	
890-6636-37	BH - 37 (4.0')	Total/NA	Solid	5035	
890-6636-38	BH - 38 (4.0')	Total/NA	Solid	5035	
890-6636-39	BH - 39 (4.0')	Total/NA	Solid	5035	
890-6636-40	BH - 40 (4.0')	Total/NA	Solid	5035	
890-6636-41	SW - 1	Total/NA	Solid	5035	
890-6636-42	SW - 2	Total/NA	Solid	5035	
890-6636-43	SW - 3	Total/NA	Solid	5035	
890-6636-44	SW - 4	Total/NA	Solid	5035	
890-6636-45	SW - 5	Total/NA	Solid	5035	
890-6636-46	SW - 6	Total/NA	Solid	5035	
890-6636-47	SW - 7	Total/NA	Solid	5035	
890-6636-48	SW - 8	Total/NA	Solid	5035	
890-6636-49	SW - 9	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 80441 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-50	SW - 10	Total/NA	Solid	5035	
890-6636-51	SW - 11	Total/NA	Solid	5035	
890-6636-52	SW - 12	Total/NA	Solid	5035	
MB 880-80441/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80441/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80441/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6636-33 MS	BH - 33 (4.0')	Total/NA	Solid	5035	
890-6636-33 MSD	BH - 33 (4.0')	Total/NA	Solid	5035	

Prep Batch: 80445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-53	SW - 13	Total/NA	Solid	5035	
890-6636-54	SW - 14	Total/NA	Solid	5035	
890-6636-55	SW - 15	Total/NA	Solid	5035	
890-6636-56	SW - 16	Total/NA	Solid	5035	
MB 880-80445/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80445/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80445/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6636-53 MS	SW - 13	Total/NA	Solid	5035	
890-6636-53 MSD	SW - 13	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 80426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-2	BH - 2 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-3	BH - 3 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-4	BH - 4 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-5	BH - 5 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-6	BH - 6 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-7	BH - 7 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-8	BH - 8 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-9	BH - 9 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-10	BH - 10 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-11	BH - 11 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-12	BH - 12 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-13	BH - 13 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-14	BH - 14 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-15	BH - 15 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-16	BH - 16 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-17	BH - 17 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-18	BH - 18 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-19	BH - 19 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-20	BH - 20 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-80426/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80426/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80426/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6636-1 MS	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-1 MSD	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 80427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-21	BH - 21 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-22	BH - 22 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-23	BH - 23 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-24	BH - 24 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-25	BH - 25 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-26	BH - 26 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-27	BH - 27 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-28	BH - 28 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-29	BH - 29 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-30	BH - 30 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-31	BH - 31 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-32	BH - 32 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-33	BH - 33 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-34	BH - 34 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-35	BH - 35 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-36	BH - 36 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-37	BH - 37 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-38	BH - 38 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-39	BH - 39 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-40	BH - 40 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-80427/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80427/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80427/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6636-21 MS	BH - 21 (4.0')	Total/NA	Solid	8015NM Prep	
890-6636-21 MSD	BH - 21 (4.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-41	SW - 1	Total/NA	Solid	8015NM Prep	
890-6636-42	SW - 2	Total/NA	Solid	8015NM Prep	
890-6636-43	SW - 3	Total/NA	Solid	8015NM Prep	
890-6636-44	SW - 4	Total/NA	Solid	8015NM Prep	
890-6636-45	SW - 5	Total/NA	Solid	8015NM Prep	
890-6636-46	SW - 6	Total/NA	Solid	8015NM Prep	
890-6636-47	SW - 7	Total/NA	Solid	8015NM Prep	
890-6636-48	SW - 8	Total/NA	Solid	8015NM Prep	
890-6636-49	SW - 9	Total/NA	Solid	8015NM Prep	
890-6636-50	SW - 10	Total/NA	Solid	8015NM Prep	
890-6636-51	SW - 11	Total/NA	Solid	8015NM Prep	
890-6636-52	SW - 12	Total/NA	Solid	8015NM Prep	
890-6636-53	SW - 13	Total/NA	Solid	8015NM Prep	
890-6636-54	SW - 14	Total/NA	Solid	8015NM Prep	
890-6636-55	SW - 15	Total/NA	Solid	8015NM Prep	
890-6636-56	SW - 16	Total/NA	Solid	8015NM Prep	
MB 880-80428/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80428/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80428/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6636-41 MS	SW - 1	Total/NA	Solid	8015NM Prep	
890-6636-41 MSD	SW - 1	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 80536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-2	BH - 2 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-3	BH - 3 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-4	BH - 4 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-5	BH - 5 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-6	BH - 6 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-7	BH - 7 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-8	BH - 8 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-9	BH - 9 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-10	BH - 10 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-11	BH - 11 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-12	BH - 12 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-13	BH - 13 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-14	BH - 14 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-15	BH - 15 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-16	BH - 16 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-17	BH - 17 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-18	BH - 18 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-19	BH - 19 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-20	BH - 20 (4.0')	Total/NA	Solid	8015B NM	80426
MB 880-80426/1-A	Method Blank	Total/NA	Solid	8015B NM	80426
LCS 880-80426/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80426
LCSD 880-80426/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80426
890-6636-1 MS	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80426
890-6636-1 MSD	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80426

Analysis Batch: 80538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-21	BH - 21 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-22	BH - 22 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-23	BH - 23 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-24	BH - 24 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-25	BH - 25 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-26	BH - 26 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-27	BH - 27 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-28	BH - 28 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-29	BH - 29 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-30	BH - 30 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-31	BH - 31 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-32	BH - 32 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-33	BH - 33 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-34	BH - 34 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-35	BH - 35 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-36	BH - 36 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-37	BH - 37 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-38	BH - 38 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-39	BH - 39 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-40	BH - 40 (4.0')	Total/NA	Solid	8015B NM	80427
MB 880-80427/1-A	Method Blank	Total/NA	Solid	8015B NM	80427
LCS 880-80427/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80427
LCSD 880-80427/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80427

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 80538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-21 MS	BH - 21 (4.0')	Total/NA	Solid	8015B NM	80427
890-6636-21 MSD	BH - 21 (4.0')	Total/NA	Solid	8015B NM	80427

Analysis Batch: 80650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-41	SW - 1	Total/NA	Solid	8015B NM	80428
890-6636-42	SW - 2	Total/NA	Solid	8015B NM	80428
890-6636-43	SW - 3	Total/NA	Solid	8015B NM	80428
890-6636-44	SW - 4	Total/NA	Solid	8015B NM	80428
890-6636-45	SW - 5	Total/NA	Solid	8015B NM	80428
890-6636-46	SW - 6	Total/NA	Solid	8015B NM	80428
890-6636-47	SW - 7	Total/NA	Solid	8015B NM	80428
890-6636-48	SW - 8	Total/NA	Solid	8015B NM	80428
890-6636-49	SW - 9	Total/NA	Solid	8015B NM	80428
890-6636-50	SW - 10	Total/NA	Solid	8015B NM	80428
890-6636-51	SW - 11	Total/NA	Solid	8015B NM	80428
890-6636-52	SW - 12	Total/NA	Solid	8015B NM	80428
890-6636-53	SW - 13	Total/NA	Solid	8015B NM	80428
890-6636-54	SW - 14	Total/NA	Solid	8015B NM	80428
890-6636-55	SW - 15	Total/NA	Solid	8015B NM	80428
890-6636-56	SW - 16	Total/NA	Solid	8015B NM	80428
MB 880-80428/1-A	Method Blank	Total/NA	Solid	8015B NM	80428
LCS 880-80428/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80428
LCSD 880-80428/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80428
890-6636-41 MS	SW - 1	Total/NA	Solid	8015B NM	80428
890-6636-41 MSD	SW - 1	Total/NA	Solid	8015B NM	80428

Analysis Batch: 80717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Total/NA	Solid	8015 NM	
890-6636-2	BH - 2 (4.0')	Total/NA	Solid	8015 NM	
890-6636-3	BH - 3 (4.0')	Total/NA	Solid	8015 NM	
890-6636-4	BH - 4 (4.0')	Total/NA	Solid	8015 NM	
890-6636-5	BH - 5 (4.0')	Total/NA	Solid	8015 NM	
890-6636-6	BH - 6 (4.0')	Total/NA	Solid	8015 NM	
890-6636-7	BH - 7 (4.0')	Total/NA	Solid	8015 NM	
890-6636-8	BH - 8 (4.0')	Total/NA	Solid	8015 NM	
890-6636-9	BH - 9 (4.0')	Total/NA	Solid	8015 NM	
890-6636-10	BH - 10 (4.0')	Total/NA	Solid	8015 NM	
890-6636-11	BH - 11 (4.0')	Total/NA	Solid	8015 NM	
890-6636-12	BH - 12 (4.0')	Total/NA	Solid	8015 NM	
890-6636-13	BH - 13 (4.0')	Total/NA	Solid	8015 NM	
890-6636-14	BH - 14 (4.0')	Total/NA	Solid	8015 NM	
890-6636-15	BH - 15 (4.0')	Total/NA	Solid	8015 NM	
890-6636-16	BH - 16 (4.0')	Total/NA	Solid	8015 NM	
890-6636-17	BH - 17 (4.0')	Total/NA	Solid	8015 NM	
890-6636-18	BH - 18 (4.0')	Total/NA	Solid	8015 NM	
890-6636-19	BH - 19 (4.0')	Total/NA	Solid	8015 NM	
890-6636-20	BH - 20 (4.0')	Total/NA	Solid	8015 NM	
890-6636-21	BH - 21 (4.0')	Total/NA	Solid	8015 NM	
890-6636-22	BH - 22 (4.0')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 80717 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-23	BH - 23 (4.0')	Total/NA	Solid	8015 NM	
890-6636-24	BH - 24 (4.0')	Total/NA	Solid	8015 NM	
890-6636-25	BH - 25 (4.0')	Total/NA	Solid	8015 NM	
890-6636-26	BH - 26 (4.0')	Total/NA	Solid	8015 NM	
890-6636-27	BH - 27 (4.0')	Total/NA	Solid	8015 NM	
890-6636-28	BH - 28 (4.0')	Total/NA	Solid	8015 NM	
890-6636-29	BH - 29 (4.0')	Total/NA	Solid	8015 NM	
890-6636-30	BH - 30 (4.0')	Total/NA	Solid	8015 NM	
890-6636-31	BH - 31 (4.0')	Total/NA	Solid	8015 NM	
890-6636-32	BH - 32 (4.0')	Total/NA	Solid	8015 NM	
890-6636-33	BH - 33 (4.0')	Total/NA	Solid	8015 NM	
890-6636-34	BH - 34 (4.0')	Total/NA	Solid	8015 NM	
890-6636-35	BH - 35 (4.0')	Total/NA	Solid	8015 NM	
890-6636-36	BH - 36 (4.0')	Total/NA	Solid	8015 NM	
890-6636-37	BH - 37 (4.0')	Total/NA	Solid	8015 NM	
890-6636-38	BH - 38 (4.0')	Total/NA	Solid	8015 NM	
890-6636-39	BH - 39 (4.0')	Total/NA	Solid	8015 NM	
890-6636-40	BH - 40 (4.0')	Total/NA	Solid	8015 NM	
890-6636-41	SW - 1	Total/NA	Solid	8015 NM	
890-6636-42	SW - 2	Total/NA	Solid	8015 NM	
890-6636-43	SW - 3	Total/NA	Solid	8015 NM	
890-6636-44	SW - 4	Total/NA	Solid	8015 NM	
890-6636-45	SW - 5	Total/NA	Solid	8015 NM	
890-6636-46	SW - 6	Total/NA	Solid	8015 NM	
890-6636-47	SW - 7	Total/NA	Solid	8015 NM	
890-6636-48	SW - 8	Total/NA	Solid	8015 NM	
890-6636-49	SW - 9	Total/NA	Solid	8015 NM	
890-6636-50	SW - 10	Total/NA	Solid	8015 NM	
890-6636-51	SW - 11	Total/NA	Solid	8015 NM	
890-6636-52	SW - 12	Total/NA	Solid	8015 NM	
890-6636-53	SW - 13	Total/NA	Solid	8015 NM	
890-6636-54	SW - 14	Total/NA	Solid	8015 NM	
890-6636-55	SW - 15	Total/NA	Solid	8015 NM	
890-6636-56	SW - 16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6636-2	BH - 2 (4.0')	Soluble	Solid	DI Leach	
890-6636-3	BH - 3 (4.0')	Soluble	Solid	DI Leach	
890-6636-4	BH - 4 (4.0')	Soluble	Solid	DI Leach	
890-6636-5	BH - 5 (4.0')	Soluble	Solid	DI Leach	
890-6636-6	BH - 6 (4.0')	Soluble	Solid	DI Leach	
890-6636-7	BH - 7 (4.0')	Soluble	Solid	DI Leach	
890-6636-8	BH - 8 (4.0')	Soluble	Solid	DI Leach	
890-6636-9	BH - 9 (4.0')	Soluble	Solid	DI Leach	
890-6636-10	BH - 10 (4.0')	Soluble	Solid	DI Leach	
890-6636-11	BH - 11 (4.0')	Soluble	Solid	DI Leach	
890-6636-12	BH - 12 (4.0')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 80431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-13	BH - 13 (4.0')	Soluble	Solid	DI Leach	
890-6636-14	BH - 14 (4.0')	Soluble	Solid	DI Leach	
890-6636-15	BH - 15 (4.0')	Soluble	Solid	DI Leach	
890-6636-16	BH - 16 (4.0')	Soluble	Solid	DI Leach	
890-6636-17	BH - 17 (4.0')	Soluble	Solid	DI Leach	
890-6636-18	BH - 18 (4.0')	Soluble	Solid	DI Leach	
890-6636-19	BH - 19 (4.0')	Soluble	Solid	DI Leach	
890-6636-20	BH - 20 (4.0')	Soluble	Solid	DI Leach	
MB 880-80431/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80431/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80431/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6636-1 MS	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6636-1 MSD	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6636-11 MS	BH - 11 (4.0')	Soluble	Solid	DI Leach	
890-6636-11 MSD	BH - 11 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-21	BH - 21 (4.0')	Soluble	Solid	DI Leach	
890-6636-22	BH - 22 (4.0')	Soluble	Solid	DI Leach	
890-6636-23	BH - 23 (4.0')	Soluble	Solid	DI Leach	
890-6636-24	BH - 24 (4.0')	Soluble	Solid	DI Leach	
890-6636-25	BH - 25 (4.0')	Soluble	Solid	DI Leach	
890-6636-26	BH - 26 (4.0')	Soluble	Solid	DI Leach	
890-6636-27	BH - 27 (4.0')	Soluble	Solid	DI Leach	
890-6636-28	BH - 28 (4.0')	Soluble	Solid	DI Leach	
890-6636-29	BH - 29 (4.0')	Soluble	Solid	DI Leach	
890-6636-30	BH - 30 (4.0')	Soluble	Solid	DI Leach	
890-6636-31	BH - 31 (4.0')	Soluble	Solid	DI Leach	
890-6636-32	BH - 32 (4.0')	Soluble	Solid	DI Leach	
890-6636-33	BH - 33 (4.0')	Soluble	Solid	DI Leach	
890-6636-34	BH - 34 (4.0')	Soluble	Solid	DI Leach	
890-6636-35	BH - 35 (4.0')	Soluble	Solid	DI Leach	
890-6636-36	BH - 36 (4.0')	Soluble	Solid	DI Leach	
890-6636-37	BH - 37 (4.0')	Soluble	Solid	DI Leach	
890-6636-38	BH - 38 (4.0')	Soluble	Solid	DI Leach	
890-6636-39	BH - 39 (4.0')	Soluble	Solid	DI Leach	
890-6636-40	BH - 40 (4.0')	Soluble	Solid	DI Leach	
MB 880-80432/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80432/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80432/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6636-21 MS	BH - 21 (4.0')	Soluble	Solid	DI Leach	
890-6636-21 MSD	BH - 21 (4.0')	Soluble	Solid	DI Leach	
890-6636-31 MS	BH - 31 (4.0')	Soluble	Solid	DI Leach	
890-6636-31 MSD	BH - 31 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-41	SW - 1	Soluble	Solid	DI Leach	
890-6636-42	SW - 2	Soluble	Solid	DI Leach	
890-6636-43	SW - 3	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 80434 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-44	SW - 4	Soluble	Solid	DI Leach	
890-6636-45	SW - 5	Soluble	Solid	DI Leach	
890-6636-46	SW - 6	Soluble	Solid	DI Leach	
890-6636-47	SW - 7	Soluble	Solid	DI Leach	
890-6636-48	SW - 8	Soluble	Solid	DI Leach	
890-6636-49	SW - 9	Soluble	Solid	DI Leach	
890-6636-50	SW - 10	Soluble	Solid	DI Leach	
890-6636-51	SW - 11	Soluble	Solid	DI Leach	
890-6636-52	SW - 12	Soluble	Solid	DI Leach	
890-6636-53	SW - 13	Soluble	Solid	DI Leach	
890-6636-54	SW - 14	Soluble	Solid	DI Leach	
890-6636-55	SW - 15	Soluble	Solid	DI Leach	
890-6636-56	SW - 16	Soluble	Solid	DI Leach	
MB 880-80434/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80434/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80434/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6636-41 MS	SW - 1	Soluble	Solid	DI Leach	
890-6636-41 MSD	SW - 1	Soluble	Solid	DI Leach	
890-6636-51 MS	SW - 11	Soluble	Solid	DI Leach	
890-6636-51 MSD	SW - 11	Soluble	Solid	DI Leach	

Analysis Batch: 80458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-1	BH - 1 (4.0')	Soluble	Solid	300.0	80431
890-6636-2	BH - 2 (4.0')	Soluble	Solid	300.0	80431
890-6636-3	BH - 3 (4.0')	Soluble	Solid	300.0	80431
890-6636-4	BH - 4 (4.0')	Soluble	Solid	300.0	80431
890-6636-5	BH - 5 (4.0')	Soluble	Solid	300.0	80431
890-6636-6	BH - 6 (4.0')	Soluble	Solid	300.0	80431
890-6636-7	BH - 7 (4.0')	Soluble	Solid	300.0	80431
890-6636-8	BH - 8 (4.0')	Soluble	Solid	300.0	80431
890-6636-9	BH - 9 (4.0')	Soluble	Solid	300.0	80431
890-6636-10	BH - 10 (4.0')	Soluble	Solid	300.0	80431
890-6636-11	BH - 11 (4.0')	Soluble	Solid	300.0	80431
890-6636-12	BH - 12 (4.0')	Soluble	Solid	300.0	80431
890-6636-13	BH - 13 (4.0')	Soluble	Solid	300.0	80431
890-6636-14	BH - 14 (4.0')	Soluble	Solid	300.0	80431
890-6636-15	BH - 15 (4.0')	Soluble	Solid	300.0	80431
890-6636-16	BH - 16 (4.0')	Soluble	Solid	300.0	80431
890-6636-17	BH - 17 (4.0')	Soluble	Solid	300.0	80431
890-6636-18	BH - 18 (4.0')	Soluble	Solid	300.0	80431
890-6636-19	BH - 19 (4.0')	Soluble	Solid	300.0	80431
890-6636-20	BH - 20 (4.0')	Soluble	Solid	300.0	80431
MB 880-80431/1-A	Method Blank	Soluble	Solid	300.0	80431
LCS 880-80431/2-A	Lab Control Sample	Soluble	Solid	300.0	80431
LCSD 880-80431/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80431
890-6636-1 MS	BH - 1 (4.0')	Soluble	Solid	300.0	80431
890-6636-1 MSD	BH - 1 (4.0')	Soluble	Solid	300.0	80431
890-6636-11 MS	BH - 11 (4.0')	Soluble	Solid	300.0	80431
890-6636-11 MSD	BH - 11 (4.0')	Soluble	Solid	300.0	80431

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 80469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-21	BH - 21 (4.0')	Soluble	Solid	300.0	80432
890-6636-22	BH - 22 (4.0')	Soluble	Solid	300.0	80432
890-6636-23	BH - 23 (4.0')	Soluble	Solid	300.0	80432
890-6636-24	BH - 24 (4.0')	Soluble	Solid	300.0	80432
890-6636-25	BH - 25 (4.0')	Soluble	Solid	300.0	80432
890-6636-26	BH - 26 (4.0')	Soluble	Solid	300.0	80432
890-6636-27	BH - 27 (4.0')	Soluble	Solid	300.0	80432
890-6636-28	BH - 28 (4.0')	Soluble	Solid	300.0	80432
890-6636-29	BH - 29 (4.0')	Soluble	Solid	300.0	80432
890-6636-30	BH - 30 (4.0')	Soluble	Solid	300.0	80432
890-6636-31	BH - 31 (4.0')	Soluble	Solid	300.0	80432
890-6636-32	BH - 32 (4.0')	Soluble	Solid	300.0	80432
890-6636-33	BH - 33 (4.0')	Soluble	Solid	300.0	80432
890-6636-34	BH - 34 (4.0')	Soluble	Solid	300.0	80432
890-6636-35	BH - 35 (4.0')	Soluble	Solid	300.0	80432
890-6636-36	BH - 36 (4.0')	Soluble	Solid	300.0	80432
890-6636-37	BH - 37 (4.0')	Soluble	Solid	300.0	80432
890-6636-38	BH - 38 (4.0')	Soluble	Solid	300.0	80432
890-6636-39	BH - 39 (4.0')	Soluble	Solid	300.0	80432
890-6636-40	BH - 40 (4.0')	Soluble	Solid	300.0	80432
MB 880-80432/1-A	Method Blank	Soluble	Solid	300.0	80432
LCS 880-80432/2-A	Lab Control Sample	Soluble	Solid	300.0	80432
LCSD 880-80432/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80432
890-6636-21 MS	BH - 21 (4.0')	Soluble	Solid	300.0	80432
890-6636-21 MSD	BH - 21 (4.0')	Soluble	Solid	300.0	80432
890-6636-31 MS	BH - 31 (4.0')	Soluble	Solid	300.0	80432
890-6636-31 MSD	BH - 31 (4.0')	Soluble	Solid	300.0	80432

Analysis Batch: 80476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-41	SW - 1	Soluble	Solid	300.0	80434
890-6636-42	SW - 2	Soluble	Solid	300.0	80434
890-6636-43	SW - 3	Soluble	Solid	300.0	80434
890-6636-44	SW - 4	Soluble	Solid	300.0	80434
890-6636-45	SW - 5	Soluble	Solid	300.0	80434
890-6636-46	SW - 6	Soluble	Solid	300.0	80434
890-6636-47	SW - 7	Soluble	Solid	300.0	80434
890-6636-48	SW - 8	Soluble	Solid	300.0	80434
890-6636-49	SW - 9	Soluble	Solid	300.0	80434
890-6636-50	SW - 10	Soluble	Solid	300.0	80434
890-6636-51	SW - 11	Soluble	Solid	300.0	80434
890-6636-52	SW - 12	Soluble	Solid	300.0	80434
890-6636-53	SW - 13	Soluble	Solid	300.0	80434
890-6636-54	SW - 14	Soluble	Solid	300.0	80434
890-6636-55	SW - 15	Soluble	Solid	300.0	80434
890-6636-56	SW - 16	Soluble	Solid	300.0	80434
MB 880-80434/1-A	Method Blank	Soluble	Solid	300.0	80434
LCS 880-80434/2-A	Lab Control Sample	Soluble	Solid	300.0	80434
LCSD 880-80434/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80434
890-6636-41 MS	SW - 1	Soluble	Solid	300.0	80434
890-6636-41 MSD	SW - 1	Soluble	Solid	300.0	80434

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 80476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6636-51 MS	SW - 11	Soluble	Solid	300.0	80434
890-6636-51 MSD	SW - 11	Soluble	Solid	300.0	80434

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 1 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-1
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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 14:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 10:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 16:13	SMC	EET MID

Client Sample ID: BH - 2 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-2
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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 14:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80458	05/10/24 16:32	SMC	EET MID

Client Sample ID: BH - 3 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-3
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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 16:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 16:39	SMC	EET MID

Client Sample ID: BH - 4 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-4
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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 16:56	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 12:33	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 4 (4.0')

Lab Sample ID: 890-6636-4

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 16:45	SMC	EET MID

Client Sample ID: BH - 5 (4.0')

Lab Sample ID: 890-6636-5

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 17:16	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 12:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 16:51	SMC	EET MID

Client Sample ID: BH - 6 (4.0')

Lab Sample ID: 890-6636-6

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 17:37	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 17:10	SMC	EET MID

Client Sample ID: BH - 7 (4.0')

Lab Sample ID: 890-6636-7

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 17:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 13:36	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80458	05/10/24 17:17	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 8 (4.0')

Lab Sample ID: 890-6636-8

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 18:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 13:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 17:23	SMC	EET MID

Client Sample ID: BH - 9 (4.0')

Lab Sample ID: 890-6636-9

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 18:38	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 14:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 14:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 17:29	SMC	EET MID

Client Sample ID: BH - 10 (4.0')

Lab Sample ID: 890-6636-10

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 18:58	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 17:35	SMC	EET MID

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6636-11

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 19:19	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 15:18	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 11 (4.0')**Lab Sample ID: 890-6636-11****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 17:42	SMC	EET MID

Client Sample ID: BH - 12 (4.0')**Lab Sample ID: 890-6636-12****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80439	05/10/24 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80409	05/10/24 19:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 15:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 18:01	SMC	EET MID

Client Sample ID: BH - 13 (4.0')**Lab Sample ID: 890-6636-13****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 11:42	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 15:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 18:07	SMC	EET MID

Client Sample ID: BH - 14 (4.0')**Lab Sample ID: 890-6636-14****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 12:02	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 18:26	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 15 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-15
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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 12:23	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 18:32	SMC	EET MID

Client Sample ID: BH - 16 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-16
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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 12:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 17:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 18:38	SMC	EET MID

Client Sample ID: BH - 17 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-17
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			4.96 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 13:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 17:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80458	05/10/24 18:45	SMC	EET MID

Client Sample ID: BH - 18 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-18
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			5.02 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 13:24	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 17:41	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 18 (4.0')

Lab Sample ID: 890-6636-18

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80458	05/10/24 18:51	SMC	EET MID

Client Sample ID: BH - 19 (4.0')

Lab Sample ID: 890-6636-19

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80458	05/10/24 18:57	SMC	EET MID

Client Sample ID: BH - 20 (4.0')

Lab Sample ID: 890-6636-20

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 14:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80426	05/10/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80536	05/13/24 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80431	05/10/24 09:06	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80458	05/10/24 19:04	SMC	EET MID

Client Sample ID: BH - 21 (4.0')

Lab Sample ID: 890-6636-21

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 14:26	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 10:52	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80469	05/10/24 16:03	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 22 (4.0')**Lab Sample ID: 890-6636-22****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 14:47	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 16:19	SMC	EET MID

Client Sample ID: BH - 23 (4.0')**Lab Sample ID: 890-6636-23****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 16:09	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 12:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 16:25	SMC	EET MID

Client Sample ID: BH - 24 (4.0')**Lab Sample ID: 890-6636-24****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 16:31	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 12:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 16:30	SMC	EET MID

Client Sample ID: BH - 25 (4.0')**Lab Sample ID: 890-6636-25****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 16:51	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 12:55	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 25 (4.0')**Lab Sample ID: 890-6636-25****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 16:36	SMC	EET MID

Client Sample ID: BH - 26 (4.0')**Lab Sample ID: 890-6636-26****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 17:12	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 16:52	SMC	EET MID

Client Sample ID: BH - 27 (4.0')**Lab Sample ID: 890-6636-27****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 17:32	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 13:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 16:57	SMC	EET MID

Client Sample ID: BH - 28 (4.0')**Lab Sample ID: 890-6636-28****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 17:53	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 13:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 13:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80469	05/10/24 17:03	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 29 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-29
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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 18:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 14:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 14:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 17:08	SMC	EET MID

Client Sample ID: BH - 30 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-30
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			5.04 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 18:34	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 17:14	SMC	EET MID

Client Sample ID: BH - 31 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-31
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	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 18:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 15:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 17:19	SMC	EET MID

Client Sample ID: BH - 32 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-32
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			4.95 g	5 mL	80440	05/10/24 09:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80421	05/10/24 19:15	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 15:39	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 32 (4.0')**Lab Sample ID: 890-6636-32****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 17:35	SMC	EET MID

Client Sample ID: BH - 33 (4.0')**Lab Sample ID: 890-6636-33****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 11:41	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 15:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 15:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 17:41	SMC	EET MID

Client Sample ID: BH - 34 (4.0')**Lab Sample ID: 890-6636-34****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 12:02	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 17:57	SMC	EET MID

Client Sample ID: BH - 35 (4.0')**Lab Sample ID: 890-6636-35****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 12:23	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80469	05/10/24 18:03	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 36 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-36
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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 12:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 17:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80469	05/10/24 18:08	SMC	EET MID

Client Sample ID: BH - 37 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-37
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			4.96 g	5 mL	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 13:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.5 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 17:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80469	05/10/24 18:13	SMC	EET MID

Client Sample ID: BH - 38 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-38
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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 13:24	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 17:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 17:41	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80469	05/10/24 18:19	SMC	EET MID

Client Sample ID: BH - 39 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-39
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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 18:01	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: BH - 39 (4.0')**Lab Sample ID: 890-6636-39****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 18:24	SMC	EET MID

Client Sample ID: BH - 40 (4.0')**Lab Sample ID: 890-6636-40****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 14:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/13/24 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80427	05/10/24 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80538	05/13/24 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80432	05/10/24 09:08	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80469	05/10/24 18:30	SMC	EET MID

Client Sample ID: SW - 1**Lab Sample ID: 890-6636-41****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 14:26	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 10:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 14:08	SMC	EET MID

Client Sample ID: SW - 2**Lab Sample ID: 890-6636-42****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 14:47	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 11:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 11:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 14:27	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 3**Lab Sample ID: 890-6636-43****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 16:10	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 11:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 14:33	SMC	EET MID

Client Sample ID: SW - 4**Lab Sample ID: 890-6636-44****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 16:31	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 12:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 12:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 14:39	SMC	EET MID

Client Sample ID: SW - 5**Lab Sample ID: 890-6636-45****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 16:52	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 12:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 14:45	SMC	EET MID

Client Sample ID: SW - 6**Lab Sample ID: 890-6636-46****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 17:12	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 12:44	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 6**Lab Sample ID: 890-6636-46****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:04	SMC	EET MID

Client Sample ID: SW - 7**Lab Sample ID: 890-6636-47****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 17:33	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 13:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 13:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:10	SMC	EET MID

Client Sample ID: SW - 8**Lab Sample ID: 890-6636-48****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 17:53	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 13:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 13:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:16	SMC	EET MID

Client Sample ID: SW - 9**Lab Sample ID: 890-6636-49****Date Collected: 05/07/24 00:00****Matrix: Solid****Date Received: 05/08/24 16:45**

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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 18:14	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 13:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:22	SMC	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 10
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-50
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	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 18:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 14:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 14:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:28	SMC	EET MID

Client Sample ID: SW - 11
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-51
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			5.04 g	5 mL	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 18:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 14:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:34	SMC	EET MID

Client Sample ID: SW - 12
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-52
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			4.95 g	5 mL	80441	05/10/24 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80423	05/10/24 19:16	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:53	SMC	EET MID

Client Sample ID: SW - 13
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 16:45

Lab Sample ID: 890-6636-53
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	80445	05/10/24 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80420	05/10/24 13:07	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 15:28	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Client Sample ID: SW - 13

Lab Sample ID: 890-6636-53

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 15:59	SMC	EET MID

Client Sample ID: SW - 14

Lab Sample ID: 890-6636-54

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80445	05/10/24 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80420	05/10/24 13:27	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 15:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 16:17	SMC	EET MID

Client Sample ID: SW - 15

Lab Sample ID: 890-6636-55

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80445	05/10/24 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80420	05/10/24 13:48	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 16:10	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 16:24	SMC	EET MID

Client Sample ID: SW - 16

Lab Sample ID: 890-6636-56

Date Collected: 05/07/24 00:00

Matrix: Solid

Date Received: 05/08/24 16:45

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	80445	05/10/24 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80420	05/10/24 14:08	MNR	EET MID
Total/NA	Analysis	8015 NM		1			80717	05/14/24 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80428	05/10/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80650	05/14/24 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80434	05/10/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80476	05/10/24 16:30	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

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	T104704400-23-26	06-30-24
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

Method Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	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.

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: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6636-1	BH - 1 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-2	BH - 2 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-3	BH - 3 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-4	BH - 4 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-5	BH - 5 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-6	BH - 6 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-7	BH - 7 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-8	BH - 8 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-9	BH - 9 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-10	BH - 10 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-11	BH - 11 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-12	BH - 12 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-13	BH - 13 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-14	BH - 14 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-15	BH - 15 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-16	BH - 16 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-17	BH - 17 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-18	BH - 18 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-19	BH - 19 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-20	BH - 20 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-21	BH - 21 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-22	BH - 22 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-23	BH - 23 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-24	BH - 24 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-25	BH - 25 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-26	BH - 26 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-27	BH - 27 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-28	BH - 28 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-29	BH - 29 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-30	BH - 30 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-31	BH - 31 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-32	BH - 32 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-33	BH - 33 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-34	BH - 34 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-35	BH - 35 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-36	BH - 36 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-37	BH - 37 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-38	BH - 38 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-39	BH - 39 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-40	BH - 40 (4.0')	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-41	SW - 1	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-42	SW - 2	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-43	SW - 3	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-44	SW - 4	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-45	SW - 5	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-46	SW - 6	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-47	SW - 7	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-48	SW - 8	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-49	SW - 9	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-50	SW - 10	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-51	SW - 11	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-52	SW - 12	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-53	SW - 13	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-54	SW - 14	Solid	05/07/24 00:00	05/08/24 16:45

Sample Summary

Client: Tetra Tech Inc
Project/Site: JR Oil NO. 204

Job ID: 890-6636-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6636-55	SW - 15	Solid	05/07/24 00:00	05/08/24 16:45
890-6636-56	SW - 16	Solid	05/07/24 00:00	05/08/24 16:45

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Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901W Wall Street, Ste 11
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

890-6636 Chain of Custody

Page 1 of 6

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	No.204	brittany.long@tetratech.com	
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-
Invoice to:	ATTN: JR Oil Rex Tippy		
Receiving Laboratory:	Eurofins Xenco	Sampler Signature:	Miguel Flores
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)																					
		YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE	None			BTEX 8021B	BTEX 8260B / 11	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold	
		DATE	TIME																														
	BH-1 (4.0')	5/7/2024		X			X					X	X	X	X											X							
	BH-2 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-3 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-4 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-5 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-6 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-7 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-8 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-9 (4.0')	5/7/2024		X			X					X	X	X	X												X						
	BH-10 (4.0')	5/7/2024		X			X					X	X	X	X												X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores	5/8/24	1644	SSun8	5/8/24	1645
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLYSample Temperature
7.11M 007
-0.2
-1.4
-1.2**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 2 of 6

LAB #		SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)	
LAB USE ONLY				YEAR: 2024		WATER		HCL					
				DATE	TIME	SOIL		HNO ₃	ICE	Note			
		BH-11 (4.0')		5/7/2024		X		X				X	
		BH-12 (4.0')		5/7/2024		X		X				X	
		BH-13 (4.0')		5/7/2024		X		X				X	
		BH-14 (4.0')		5/7/2024		X		X				X	
		BH-15 (4.0')		5/7/2024		X		X				X	
		BH-16 (4.0')		5/7/2024		X		X				X	
		BH-17 (4.0')		5/7/2024		X		X				X	
		BH-18 (4.0')		5/7/2024		X		X				X	
		BH-19 (4.0')		5/7/2024		X		X				X	
		BH-20 (4.0')		5/7/2024		X		X				X	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores	5/16/24	16:44	SSun8	5/18	16:45
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY		REMARKS:
		☐ Standard TAT
		☐ RUSH: Same Day 24 hr 48 hr 72 hr
		☐ Rush Charges Authorized
		☐ Special Report Limits or TRRP Report

Sample Temperature
TUM000
-0.2
-1.4
-1.2

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 3 of 6

LAB #		SAMPLE IDENTIFICATION		YEAR: 2024		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)		ANALYSIS REQUEST (Circle or Specify Method No.)																								
(LAB USE ONLY)				DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None					BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold				
		BH-21 (4.0')		5/7/2024		X				X						X	X	X																						
		BH-22 (4.0')		5/7/2024		X				X						X	X																							
		BH-23 (4.0')		5/7/2024		X				X						X	X																							
		BH-24 (4.0')		5/7/2024		X				X						X	X																							
		BH-25 (4.0')		5/7/2024		X				X						X	X																							
		BH-26 (4.0')		5/7/2024		X				X						X	X																							
		BH-27 (4.0')		5/7/2024		X				X						X	X																							
		BH-28 (4.0')		5/7/2024		X				X						X	X																							
		BH-29 (4.0')		5/7/2024		X				X						X	X																							
		BH-30 (4.0')		5/7/2024		X				X						X	X																							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores	5/8/24	1649	B. Suñig	5/8	1645
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature
TMM00
0.2
-1.4
-1.2

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.		901W Wall Street, Ste 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946																										
Client Name: JR Oil		Site Manager: Brittany Long																										
Project Name: No.204		brittany.long@tetratech.com																										
Project Location: (county, state) Lea County, NM		Project #: 212C-MD-																										
Invoice to: ATTN: JR Oil Rex Tippy																												
Receiving Laboratory: Eurofins Xenco		Sampler Signature: Miguel Flores																										
Comments:																												
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2024	MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 826JB	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi-Volatiles	RCl	GC/MS Vol. 826OB / 624	GC/MS Semi. Vol. 827OC/615	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold		
	BH-31 (4.0')	DATE 5/7/2024	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			X	X															
	BH-32 (4.0')	5/7/2024		X				X				X	X									X						
	BH-33 (4.0')	5/7/2024		X				X				X	X									X						
	BH-34 (4.0')	5/7/2024		X				X				X	X									X						
	BH-35 (4.0')	5/7/2024		X				X				X	X									X						
	BH-36 (4.0')	5/7/2024		X				X				X	X									X						
	BH-37 (4.0')	5/7/2024		X				X				X	X									X						
	BH-38 (4.0')	5/7/2024		X				X				X	X									X						
	BH-39 (4.0')	5/7/2024		X				X				X	X									X						
	BH-40 (4.0')	5/7/2024		X				X				X	X									X						
Relinquished by: Miguel A Flores		Date: 5/8/24	Time: 16:44	Received by: A Swans		Date: 5/8	Time: 16:45	LAB USE ONLY		REMARKS:																		
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	Sample Temperature TMM007 -0.2 -1.4 -1.2		☐ Standard TAT ☒ RUSH: Same Day 24 hr 48 hr 72 hr																		
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	☐ Rush Charges Authorized		☐ Special Report Limits or TRRP Report																		

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-6636-1

SDG Number: Lea County NM

Login Number: 6636

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: 890-6636-1

SDG Number: Lea County NM

Login Number: 6636

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 05/10/24 07:54 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/26/2024 1:24:02 PM

JOB DESCRIPTION

MLMU #204
LEA COUNTY

JOB NUMBER

890-7145-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



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
9/26/2024 1:24:02 PM

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

Client: Tetra Tech Inc
Project/Site: MLMU #204

Laboratory Job ID: 890-7145-1
SDG: LEA COUNTY

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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 #204

Job ID: 890-7145-1

Job ID: 890-7145-1

Eurofins Carlsbad

Job Narrative
890-7145-1

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 9/23/2024 9:11 AM. 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 0.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 17 (890-7145-1), SW - 18 (890-7145-2), SW - 19 (890-7145-3), SW - 20 (890-7145-4), SW - 21 (890-7145-5), SW - 22 (890-7145-6), SW - 23 (890-7145-7), SW - 24 (890-7145-8), SW - 25 (890-7145-9), SW - 26 (890-7145-10), SW - 27 (890-7145-11), SW - 28 (890-7145-12), SW - 29 (890-7145-13), SW - 30 (890-7145-14), SW - 31 (890-7145-15), SW - 32 (890-7145-16), SW - 35 (890-7145-17), SW - 36 (890-7145-18), SW - 4 (890-7145-19), SW - 5 (890-7145-20), SW - 9 (890-7145-21), SW - 12 (890-7145-22), SW - 14 (890-7145-23), BH - 41 (5.5') (890-7145-24), SW - 37 (890-7145-25), SW - 38 (890-7145-26), SW - 39 (890-7145-27), SW - 40 (890-7145-28), SW - 41 (890-7145-29) and SW - 42 (890-7145-30).

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SW - 17 (890-7145-1), SW - 18 (890-7145-2), SW - 19 (890-7145-3), SW - 20 (890-7145-4), SW - 21 (890-7145-5), SW - 22 (890-7145-6), SW - 23 (890-7145-7), SW - 24 (890-7145-8), SW - 25 (890-7145-9), SW - 26 (890-7145-10), SW - 27 (890-7145-11), SW - 28 (890-7145-12), SW - 29 (890-7145-13), SW - 30 (890-7145-14), SW - 31 (890-7145-15), SW - 32 (890-7145-16), SW - 35 (890-7145-17), SW - 36 (890-7145-18), SW - 4 (890-7145-19), SW - 5 (890-7145-20), SW - 9 (890-7145-21), SW - 12 (890-7145-22), SW - 14 (890-7145-23), BH - 41 (5.5') (890-7145-24), SW - 37 (890-7145-25), SW - 38 (890-7145-26), SW - 39 (890-7145-27), SW - 40 (890-7145-28), SW - 41 (890-7145-29) and SW - 42 (890-7145-30)

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SW - 17 (890-7145-1), SW - 18 (890-7145-2), SW - 19 (890-7145-3), SW - 20 (890-7145-4), SW - 21 (890-7145-5), SW - 22 (890-7145-6), SW - 23 (890-7145-7), SW - 24 (890-7145-8), SW - 25 (890-7145-9), SW - 26 (890-7145-10), SW - 27 (890-7145-11), SW - 28 (890-7145-12), SW - 29 (890-7145-13), SW - 30 (890-7145-14), SW - 31 (890-7145-15), SW - 32 (890-7145-16), SW - 35 (890-7145-17), SW - 36 (890-7145-18), SW - 4 (890-7145-19), SW - 5 (890-7145-20), SW - 9 (890-7145-21), SW - 12 (890-7145-22), SW - 14 (890-7145-23), BH - 41 (5.5') (890-7145-24), SW - 37 (890-7145-25), SW - 38 (890-7145-26), SW - 39 (890-7145-27), SW - 40 (890-7145-28), SW - 41 (890-7145-29) and SW - 42 (890-7145-30)

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW - 17 (890-7145-1), SW - 18 (890-7145-2), SW - 19 (890-7145-3), SW - 20 (890-7145-4), SW - 21 (890-7145-5) and (LCS 880-91450/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-91643 and analytical batch 880-91678 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.

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

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Case Narrative

Client: Tetra Tech Inc
Project: MLMU #204

Job ID: 890-7145-1

Job ID: 890-7145-1 (Continued) Eurofins Carlsbad

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91591 and analytical batch 880-91612 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 17

Lab Sample ID: 890-7145-1

Date Collected: 09/20/24 16:15

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 11:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 11:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 11:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/24 08:58	09/24/24 11:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 11:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/24 08:58	09/24/24 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/24/24 08:58	09/24/24 11:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/24/24 08:58	09/24/24 11:33	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			09/24/24 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/24/24 16:47	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	<49.7	U	49.7		mg/Kg		09/23/24 09:42	09/24/24 16:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/23/24 09:42	09/24/24 16:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/23/24 09:42	09/24/24 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	09/23/24 09:42	09/24/24 16:47	1
o-Terphenyl	61	S1-	70 - 130	09/23/24 09:42	09/24/24 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/24/24 12:29	1

Client Sample ID: SW - 18

Lab Sample ID: 890-7145-2

Date Collected: 09/20/24 16:20

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 11:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 11:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 11:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/24 08:58	09/24/24 11:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 11:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/24 08:58	09/24/24 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/24/24 08:58	09/24/24 11:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/24/24 08:58	09/24/24 11:53	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 18

Lab Sample ID: 890-7145-2

Date Collected: 09/20/24 16:20

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 11:53	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			09/24/24 17:04	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		09/23/24 09:42	09/24/24 17:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 09:42	09/24/24 17:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 09:42	09/24/24 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				09/23/24 09:42	09/24/24 17:04	1
o-Terphenyl	58	S1-	70 - 130				09/23/24 09:42	09/24/24 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/24/24 12:35	1

Client Sample ID: SW - 19

Lab Sample ID: 890-7145-3

Date Collected: 09/20/24 16:25

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/24/24 08:58	09/24/24 12:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/24/24 08:58	09/24/24 12:14	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			09/24/24 12:14	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			09/24/24 17:20	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	<50.0	U	50.0		mg/Kg		09/23/24 09:42	09/24/24 17:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:42	09/24/24 17:20	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 19

Lab Sample ID: 890-7145-3

Date Collected: 09/20/24 16:25

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/23/24 09:42	09/24/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				09/23/24 09:42	09/24/24 17:20	1
o-Terphenyl	58	S1-	70 - 130				09/23/24 09:42	09/24/24 17:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			09/24/24 12:40	1

Client Sample ID: SW - 20

Lab Sample ID: 890-7145-4

Date Collected: 09/20/24 16:30

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 12:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 12:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 12:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/24/24 08:58	09/24/24 12:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/24/24 08:58	09/24/24 12:34	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			09/24/24 12:34	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			09/24/24 17:37	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		09/23/24 09:42	09/24/24 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 09:42	09/24/24 17:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 09:42	09/24/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				09/23/24 09:42	09/24/24 17:37	1
o-Terphenyl	56	S1-	70 - 130				09/23/24 09:42	09/24/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.26		5.05		mg/Kg			09/24/24 12:46	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 21

Lab Sample ID: 890-7145-5

Date Collected: 09/20/24 16:35

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/24/24 08:58	09/24/24 12:55	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/24/24 08:58	09/24/24 12:55	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			09/24/24 12:55	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			09/24/24 17:54	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	<49.8	U	49.8		mg/Kg		09/23/24 09:42	09/24/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 09:42	09/24/24 17:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 09:42	09/24/24 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	09/23/24 09:42	09/24/24 17:54	1
o-Terphenyl	57	S1-	70 - 130	09/23/24 09:42	09/24/24 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/24/24 13:02	1

Client Sample ID: SW - 22

Lab Sample ID: 890-7145-6

Date Collected: 09/20/24 17:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 13:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 13:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 13:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 13:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 13:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/24/24 08:58	09/24/24 13:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/24/24 08:58	09/24/24 13:15	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 22

Lab Sample ID: 890-7145-6

Date Collected: 09/20/24 17:00

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 13:15	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			09/24/24 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	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 11:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				09/23/24 16:44	09/24/24 11:47	1
o-Terphenyl	77		70 - 130				09/23/24 16:44	09/24/24 11:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			09/24/24 13:07	1

Client Sample ID: SW - 23

Lab Sample ID: 890-7145-7

Date Collected: 09/20/24 17:05

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 13:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 13:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 08:58	09/24/24 13:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 08:58	09/24/24 13:36	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			09/24/24 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 12:37	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		09/23/24 16:44	09/24/24 12:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 12:37	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 23

Lab Sample ID: 890-7145-7

Date Collected: 09/20/24 17:05

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/23/24 16:44	09/24/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/23/24 16:44	09/24/24 12:37	1
o-Terphenyl	85		70 - 130				09/23/24 16:44	09/24/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			09/24/24 13:24	1

Client Sample ID: SW - 24

Lab Sample ID: 890-7145-8

Date Collected: 09/20/24 17:10

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 13:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 13:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 13:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/24/24 08:58	09/24/24 13:56	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/24/24 08:58	09/24/24 13:56	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			09/24/24 13:56	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			09/24/24 12:53	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		09/23/24 16:44	09/24/24 12:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 12:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/23/24 16:44	09/24/24 12:53	1
o-Terphenyl	89		70 - 130				09/23/24 16:44	09/24/24 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		4.95		mg/Kg			09/24/24 13:29	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 25

Lab Sample ID: 890-7145-9

Date Collected: 09/20/24 17:15

Matrix: Solid

Date Received: 09/23/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 14:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 14:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 14:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/24 08:58	09/24/24 14:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 14:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/24 08:58	09/24/24 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/24/24 08:58	09/24/24 14:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/24/24 08:58	09/24/24 14:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/24/24 14:16	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			09/24/24 13:10	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		09/23/24 16:44	09/24/24 13:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 13:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	09/23/24 16:44	09/24/24 13:10	1
o-Terphenyl	83		70 - 130	09/23/24 16:44	09/24/24 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			09/24/24 13:34	1

Client Sample ID: SW - 26

Lab Sample ID: 890-7145-10

Date Collected: 09/20/24 17:20

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 14:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 14:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/24/24 08:58	09/24/24 14:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/24/24 08:58	09/24/24 14:37	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 26

Lab Sample ID: 890-7145-10

Date Collected: 09/20/24 17:20

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 14:37	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			09/24/24 13:26	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		09/23/24 16:44	09/24/24 13:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 13:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/23/24 16:44	09/24/24 13:26	1
o-Terphenyl	86		70 - 130				09/23/24 16:44	09/24/24 13:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			09/24/24 13:40	1

Client Sample ID: SW - 27

Lab Sample ID: 890-7145-11

Date Collected: 09/20/24 15:30

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 16:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 16:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/24/24 08:58	09/24/24 16:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 08:58	09/24/24 16:27	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			09/24/24 16:27	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			09/24/24 13:43	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		09/23/24 16:44	09/24/24 13:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 13:43	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 27

Lab Sample ID: 890-7145-11

Date Collected: 09/20/24 15:30

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/23/24 16:44	09/24/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/23/24 16:44	09/24/24 13:43	1
o-Terphenyl	86		70 - 130				09/23/24 16:44	09/24/24 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/24/24 13:45	1

Client Sample ID: SW - 28

Lab Sample ID: 890-7145-12

Date Collected: 09/20/24 15:35

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 16:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 16:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 16:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/24/24 08:58	09/24/24 16:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 08:58	09/24/24 16:48	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			09/24/24 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 13:59	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		09/23/24 16:44	09/24/24 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 13:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				09/23/24 16:44	09/24/24 13:59	1
o-Terphenyl	78		70 - 130				09/23/24 16:44	09/24/24 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/24/24 13:51	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 29

Lab Sample ID: 890-7145-13

Date Collected: 09/20/24 15:40

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 17:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 17:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/24/24 08:58	09/24/24 17:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/24/24 08:58	09/24/24 17:08	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			09/24/24 17:08	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			09/24/24 14:16	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		09/23/24 16:44	09/24/24 14:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 14:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/23/24 16:44	09/24/24 14:16	1
o-Terphenyl	74		70 - 130	09/23/24 16:44	09/24/24 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			09/24/24 13:56	1

Client Sample ID: SW - 30

Lab Sample ID: 890-7145-14

Date Collected: 09/20/24 15:45

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 17:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 17:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 17:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 08:58	09/24/24 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/24/24 08:58	09/24/24 17:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/24/24 08:58	09/24/24 17:29	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 30

Lab Sample ID: 890-7145-14

Date Collected: 09/20/24 15:45

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 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	<49.9	U	49.9		mg/Kg			09/24/24 14:33	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		09/23/24 16:44	09/24/24 14:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 14:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/23/24 16:44	09/24/24 14:33	1
o-Terphenyl	77		70 - 130				09/23/24 16:44	09/24/24 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			09/24/24 18:54	1

Client Sample ID: SW - 31

Lab Sample ID: 890-7145-15

Date Collected: 09/20/24 15:50

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 17:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 17:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 17:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 17:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 17:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/24/24 08:58	09/24/24 17:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 08:58	09/24/24 17:49	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			09/24/24 17:49	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			09/24/24 14:50	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		09/23/24 16:44	09/24/24 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 14:50	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 31

Lab Sample ID: 890-7145-15

Date Collected: 09/20/24 15:50

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/23/24 16:44	09/24/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/23/24 16:44	09/24/24 14:50	1
o-Terphenyl	79		70 - 130				09/23/24 16:44	09/24/24 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			09/24/24 19:14	1

Client Sample ID: SW - 32

Lab Sample ID: 890-7145-16

Date Collected: 09/20/24 15:55

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 18:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 18:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 18:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/24 08:58	09/24/24 18:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/24 08:58	09/24/24 18:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/24 08:58	09/24/24 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/24/24 08:58	09/24/24 18:10	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/24/24 08:58	09/24/24 18:10	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			09/24/24 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/24/24 15:24	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		09/23/24 16:44	09/24/24 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/23/24 16:44	09/24/24 15:24	1
o-Terphenyl	78		70 - 130				09/23/24 16:44	09/24/24 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/24/24 19:20	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 35

Lab Sample ID: 890-7145-17

Date Collected: 09/20/24 16:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 18:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 18:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 18:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 18:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 08:58	09/24/24 18:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 08:58	09/24/24 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/24/24 08:58	09/24/24 18:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/24/24 08:58	09/24/24 18:30	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			09/24/24 18:30	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			09/24/24 15:40	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	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 15:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 15:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	09/23/24 16:44	09/24/24 15:40	1
o-Terphenyl	80		70 - 130	09/23/24 16:44	09/24/24 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/24/24 19:27	1

Client Sample ID: SW - 36

Lab Sample ID: 890-7145-18

Date Collected: 09/20/24 16:05

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 18:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 18:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 18:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 18:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 18:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 08:58	09/24/24 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/24/24 08:58	09/24/24 18:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/24/24 08:58	09/24/24 18:51	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 36

Lab Sample ID: 890-7145-18

Date Collected: 09/20/24 16:05

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 18:51	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			09/24/24 15:57	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		09/23/24 16:44	09/24/24 15:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 15:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/23/24 16:44	09/24/24 15:57	1
o-Terphenyl	83		70 - 130				09/23/24 16:44	09/24/24 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.00		5.04		mg/Kg			09/24/24 19:34	1

Client Sample ID: SW - 4

Lab Sample ID: 890-7145-19

Date Collected: 09/20/24 16:08

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 08:58	09/24/24 19:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 19:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 19:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/24 08:58	09/24/24 19:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/24 08:58	09/24/24 19:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/24 08:58	09/24/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 08:58	09/24/24 19:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/24/24 08:58	09/24/24 19:11	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			09/24/24 19:11	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			09/24/24 16:14	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		09/23/24 16:44	09/24/24 16:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 16:14	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 4

Lab Sample ID: 890-7145-19

Date Collected: 09/20/24 16:08

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/23/24 16:44	09/24/24 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/23/24 16:44	09/24/24 16:14	1
o-Terphenyl	79		70 - 130				09/23/24 16:44	09/24/24 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			09/24/24 19:54	1

Client Sample ID: SW - 5

Lab Sample ID: 890-7145-20

Date Collected: 09/20/24 16:10

Matrix: Solid

Date Received: 09/23/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/24/24 08:58	09/24/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/24/24 08:58	09/24/24 19:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 08:58	09/24/24 19:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/24/24 19:32	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			09/24/24 16:31	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		09/23/24 16:44	09/24/24 16:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 16:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 16:44	09/24/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				09/23/24 16:44	09/24/24 16:31	1
o-Terphenyl	80		70 - 130				09/23/24 16:44	09/24/24 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.70		5.05		mg/Kg			09/24/24 20:00	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 9

Lab Sample ID: 890-7145-21

Date Collected: 09/20/24 17:25

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 12:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/24 09:01	09/24/24 12:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/24 09:01	09/24/24 12:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/24 09:01	09/24/24 12:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/24 09:01	09/24/24 12:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/24 09:01	09/24/24 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 09:01	09/24/24 12:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 09:01	09/24/24 12:01	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			09/24/24 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 16:47	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		09/23/24 16:44	09/24/24 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/23/24 16:44	09/24/24 16:47	1
o-Terphenyl	76		70 - 130				09/23/24 16:44	09/24/24 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.92		4.98		mg/Kg			09/24/24 20:07	1

Client Sample ID: SW - 12

Lab Sample ID: 890-7145-22

Date Collected: 09/20/24 17:28

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 12:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/24 09:01	09/24/24 12:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/24 09:01	09/24/24 12:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/24 09:01	09/24/24 12:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/24 09:01	09/24/24 12:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/24 09:01	09/24/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 09:01	09/24/24 12:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 09:01	09/24/24 12:21	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 12

Lab Sample ID: 890-7145-22

Date Collected: 09/20/24 17:28

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 12:21	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			09/24/24 17:04	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		09/23/24 16:44	09/24/24 17:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/23/24 16:44	09/24/24 17:04	1
o-Terphenyl	83		70 - 130				09/23/24 16:44	09/24/24 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			09/24/24 20:14	1

Client Sample ID: SW - 14

Lab Sample ID: 890-7145-23

Date Collected: 09/20/24 17:30

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 12:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 09:01	09/24/24 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 12:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 09:01	09/24/24 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/24/24 09:01	09/24/24 12:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 09:01	09/24/24 12:41	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			09/24/24 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/24/24 17:20	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		09/23/24 16:44	09/24/24 17:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 17:20	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 14

Lab Sample ID: 890-7145-23

Date Collected: 09/20/24 17:30

Matrix: Solid

Date Received: 09/23/24 09:11

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)	<49.7	U	49.7		mg/Kg		09/23/24 16:44	09/24/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/23/24 16:44	09/24/24 17:20	1
o-Terphenyl	80		70 - 130				09/23/24 16:44	09/24/24 17:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			09/24/24 20:20	1

Client Sample ID: BH - 41 (5.5')

Lab Sample ID: 890-7145-24

Date Collected: 09/20/24 17:35

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 13:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 13:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				09/24/24 09:01	09/24/24 13:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 09:01	09/24/24 13:02	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			09/24/24 13:02	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			09/24/24 17:37	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		09/23/24 16:44	09/24/24 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 17:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 16:44	09/24/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/23/24 16:44	09/24/24 17:37	1
o-Terphenyl	86		70 - 130				09/23/24 16:44	09/24/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540	F1	25.3		mg/Kg			09/24/24 20:27	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 37

Lab Sample ID: 890-7145-25

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 13:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 09:01	09/24/24 13:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 09:01	09/24/24 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 09:01	09/24/24 13:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 09:01	09/24/24 13:22	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			09/24/24 13:22	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			09/24/24 17:54	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	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 17:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 17:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/23/24 16:44	09/24/24 17:54	1
o-Terphenyl	80		70 - 130				09/23/24 16:44	09/24/24 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			09/24/24 20:47	1

Client Sample ID: SW - 38

Lab Sample ID: 890-7145-26

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 13:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/24 09:01	09/24/24 13:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/24 09:01	09/24/24 13:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/24 09:01	09/24/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				09/24/24 09:01	09/24/24 13:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 09:01	09/24/24 13:43	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 38

Lab Sample ID: 890-7145-26

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.4		50.0		mg/Kg			09/25/24 11:21	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		09/24/24 14:20	09/25/24 11:21	1
Diesel Range Organics (Over C10-C28)	50.4	*	50.0		mg/Kg		09/24/24 14:20	09/25/24 11:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/24 14:20	09/25/24 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/24/24 14:20	09/25/24 11:21	1
o-Terphenyl	99		70 - 130				09/24/24 14:20	09/25/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			09/24/24 20:54	1

Client Sample ID: SW - 39

Lab Sample ID: 890-7145-27

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 14:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/24 09:01	09/24/24 14:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/24 09:01	09/24/24 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 09:01	09/24/24 14:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/24/24 09:01	09/24/24 14:03	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			09/24/24 14:03	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			09/25/24 12:22	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		09/24/24 14:20	09/25/24 12:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		09/24/24 14:20	09/25/24 12:22	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 39

Lab Sample ID: 890-7145-27

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 14:20	09/25/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/24/24 14:20	09/25/24 12:22	1
o-Terphenyl	101		70 - 130				09/24/24 14:20	09/25/24 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.32		5.01		mg/Kg			09/24/24 21:14	1

Client Sample ID: SW - 40

Lab Sample ID: 890-7145-28

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 14:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 14:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 14:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				09/24/24 09:01	09/24/24 14:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/24 09:01	09/24/24 14:24	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			09/24/24 14:24	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			09/25/24 12:42	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	<50.0	U	50.0		mg/Kg		09/24/24 14:20	09/25/24 12:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		09/24/24 14:20	09/25/24 12:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/24 14:20	09/25/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/24/24 14:20	09/25/24 12:42	1
o-Terphenyl	101		70 - 130				09/24/24 14:20	09/25/24 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			09/24/24 21:20	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 41

Lab Sample ID: 890-7145-29

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/24/24 09:01	09/24/24 14:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/24 09:01	09/24/24 14:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/24 09:01	09/24/24 14:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/24 09:01	09/24/24 14:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/24 09:01	09/24/24 14:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/24 09:01	09/24/24 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/24/24 09:01	09/24/24 14:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/24/24 09:01	09/24/24 14:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/24/24 14:44	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			09/25/24 13:02	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		09/24/24 14:20	09/25/24 13:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		09/24/24 14:20	09/25/24 13:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/24 14:20	09/25/24 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/24/24 14:20	09/25/24 13:02	1
o-Terphenyl	113		70 - 130	09/24/24 14:20	09/25/24 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			09/24/24 21:27	1

Client Sample ID: SW - 42

Lab Sample ID: 890-7145-30

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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		09/24/24 09:01	09/24/24 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 15:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 15:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/24 09:01	09/24/24 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/24/24 09:01	09/24/24 15:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/24/24 09:01	09/24/24 15:05	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 42

Lab Sample ID: 890-7145-30

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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			09/24/24 15:05	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			09/25/24 13:22	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		09/24/24 14:20	09/25/24 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		09/24/24 14:20	09/25/24 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/24 14:20	09/25/24 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	09/24/24 14:20	09/25/24 13:22	1
o-Terphenyl	104		70 - 130	09/24/24 14:20	09/25/24 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			09/24/24 21:34	1

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
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)
890-7145-1	SW - 17	107	100
890-7145-1 MS	SW - 17	104	99
890-7145-1 MSD	SW - 17	104	101
890-7145-2	SW - 18	104	102
890-7145-3	SW - 19	109	98
890-7145-4	SW - 20	108	103
890-7145-5	SW - 21	108	99
890-7145-6	SW - 22	106	102
890-7145-7	SW - 23	110	100
890-7145-8	SW - 24	105	103
890-7145-9	SW - 25	106	99
890-7145-10	SW - 26	107	104
890-7145-11	SW - 27	102	100
890-7145-12	SW - 28	104	101
890-7145-13	SW - 29	101	102
890-7145-14	SW - 30	109	102
890-7145-15	SW - 31	107	101
890-7145-16	SW - 32	104	102
890-7145-17	SW - 35	107	101
890-7145-18	SW - 36	105	101
890-7145-19	SW - 4	110	103
890-7145-20	SW - 5	106	101
890-7145-21	SW - 9	110	100
890-7145-21 MS	SW - 9	109	99
890-7145-21 MSD	SW - 9	104	99
890-7145-22	SW - 12	110	101
890-7145-23	SW - 14	108	101
890-7145-24	BH - 41 (5.5')	111	101
890-7145-25	SW - 37	110	100
890-7145-26	SW - 38	113	100
890-7145-27	SW - 39	110	101
890-7145-28	SW - 40	111	100
890-7145-29	SW - 41	110	100
890-7145-30	SW - 42	107	101
LCS 880-91592/1-A	Lab Control Sample	99	98
LCS 880-91593/1-A	Lab Control Sample	105	98
LCSD 880-91592/2-A	Lab Control Sample Dup	100	100
LCSD 880-91593/2-A	Lab Control Sample Dup	104	99
MB 880-91592/5-A	Method Blank	108	102
MB 880-91593/5-A	Method Blank	105	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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)
880-48806-A-10-B MS	Matrix Spike	129	96
880-48806-A-10-C MSD	Matrix Spike Duplicate	108	95
890-7145-1	SW - 17	82	61 S1-
890-7145-2	SW - 18	80	58 S1-
890-7145-3	SW - 19	80	58 S1-
890-7145-4	SW - 20	78	56 S1-
890-7145-5	SW - 21	80	57 S1-
890-7145-6	SW - 22	93	77
890-7145-6 MS	SW - 22	113	88
890-7145-6 MSD	SW - 22	114	88
890-7145-7	SW - 23	102	85
890-7145-8	SW - 24	107	89
890-7145-9	SW - 25	100	83
890-7145-10	SW - 26	103	86
890-7145-11	SW - 27	102	86
890-7145-12	SW - 28	93	78
890-7145-13	SW - 29	91	74
890-7145-14	SW - 30	92	77
890-7145-15	SW - 31	95	79
890-7145-16	SW - 32	96	78
890-7145-17	SW - 35	95	80
890-7145-18	SW - 36	102	83
890-7145-19	SW - 4	94	79
890-7145-20	SW - 5	98	80
890-7145-21	SW - 9	91	76
890-7145-22	SW - 12	100	83
890-7145-23	SW - 14	95	80
890-7145-24	BH - 41 (5.5')	104	86
890-7145-25	SW - 37	99	80
890-7145-26	SW - 38	107	99
890-7145-26 MS	SW - 38	94	82
890-7145-26 MSD	SW - 38	98	87
890-7145-27	SW - 39	103	101
890-7145-28	SW - 40	102	101
890-7145-29	SW - 41	116	113
890-7145-30	SW - 42	108	104
LCS 880-91450/2-A	Lab Control Sample	131 S1+	119
LCS 880-91538/2-A	Lab Control Sample	114	105
LCS 880-91643/2-A	Lab Control Sample	94	85
LCSD 880-91450/3-A	Lab Control Sample Dup	119	107
LCSD 880-91538/3-A	Lab Control Sample Dup	117	110
LCSD 880-91643/3-A	Lab Control Sample Dup	80	73
MB 880-91450/1-A	Method Blank	97	79
MB 880-91538/1-A	Method Blank	129	117
MB 880-91643/1-A	Method Blank	117	116
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91592/5-A

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/24 08:58	09/24/24 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 08:58	09/24/24 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/24 08:58	09/24/24 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/24/24 08:58	09/24/24 11:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/24/24 08:58	09/24/24 11:11	1

Lab Sample ID: LCS 880-91592/1-A

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09310		mg/Kg		93	70 - 130
Toluene	0.100	0.08753		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1850		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09127		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-91592/2-A

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09628		mg/Kg		96	70 - 130	3	35
Toluene	0.100	0.09078		mg/Kg		91	70 - 130	4	35
Ethylbenzene	0.100	0.08956		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	4	35
o-Xylene	0.100	0.09542		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7145-1 MS

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: SW - 17

Prep Type: Total/NA

Prep Batch: 91592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.07658		mg/Kg		77	70 - 130
Toluene	<0.00201	U	0.0996	0.07039		mg/Kg		71	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7145-1 MS

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: SW - 17

Prep Type: Total/NA

Prep Batch: 91592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0996	0.07105		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1500		mg/Kg		75	70 - 130
o-Xylene	<0.00201	U	0.0996	0.07769		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7145-1 MSD

Matrix: Solid

Analysis Batch: 91583

Client Sample ID: SW - 17

Prep Type: Total/NA

Prep Batch: 91592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08762		mg/Kg		87	70 - 130	13	35
Toluene	<0.00201	U	0.100	0.08128		mg/Kg		81	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.100	0.08186		mg/Kg		82	70 - 130	14	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1744		mg/Kg		87	70 - 130	15	35
o-Xylene	<0.00201	U	0.100	0.08944		mg/Kg		89	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-91593/5-A

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/24 09:01	09/24/24 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/24 09:01	09/24/24 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/24 09:01	09/24/24 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/24/24 09:01	09/24/24 11:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/24/24 09:01	09/24/24 11:21	1

Lab Sample ID: LCS 880-91593/1-A

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09086		mg/Kg		91	70 - 130
Toluene	0.100	0.09198		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09101		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1906		mg/Kg		95	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: LCS 880-91593/1-A

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09471		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-91593/2-A

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09099		mg/Kg		91	70 - 130	0	35
Toluene	0.100	0.09223		mg/Kg		92	70 - 130	0	35
Ethylbenzene	0.100	0.09270		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09543		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7145-21 MS

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: SW - 9

Prep Type: Total/NA

Prep Batch: 91593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.08097		mg/Kg		81	70 - 130
Toluene	<0.00201	U	0.0996	0.07952		mg/Kg		80	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.07733		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1588		mg/Kg		80	70 - 130
o-Xylene	<0.00201	U	0.0996	0.07928		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7145-21 MSD

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: SW - 9

Prep Type: Total/NA

Prep Batch: 91593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.08211		mg/Kg		82	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08053		mg/Kg		80	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.08027		mg/Kg		80	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1646		mg/Kg		82	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.08238		mg/Kg		82	70 - 130	4	35

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7145-21 MSD

Matrix: Solid

Analysis Batch: 91584

Client Sample ID: SW - 9

Prep Type: Total/NA

Prep Batch: 91593

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-91450/1-A

Matrix: Solid

Analysis Batch: 91608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91450

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/24 09:41	09/24/24 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:41	09/24/24 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 09:41	09/24/24 05:05	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	97		70 - 130				09/23/24 09:41	09/24/24 05:05	1
o-Terphenyl	79		70 - 130				09/23/24 09:41	09/24/24 05:05	1

Lab Sample ID: LCS 880-91450/2-A

Matrix: Solid

Analysis Batch: 91608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1184		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	993.7		mg/Kg		99	70 - 130		
Surrogate	LCS LCS		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	131	S1+	70 - 130						
o-Terphenyl	119		70 - 130						

Lab Sample ID: LCSD 880-91450/3-A

Matrix: Solid

Analysis Batch: 91608

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	876.3		mg/Kg		88	70 - 130	13	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	119		70 - 130						
o-Terphenyl	107		70 - 130						

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: 880-48806-A-10-B MS

Matrix: Solid

Analysis Batch: 91608

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91450

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	999	855.3		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	718.4		mg/Kg		72	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: 880-48806-A-10-C MSD

Matrix: Solid

Analysis Batch: 91608

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91450

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	999	833.4		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	764.4		mg/Kg		77	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-91538/1-A

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91538

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		09/23/24 16:44	09/24/24 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 16:44	09/24/24 05:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				09/23/24 16:44	09/24/24 05:05	1
o-Terphenyl	117		70 - 130				09/23/24 16:44	09/24/24 05:05	1

Lab Sample ID: LCS 880-91538/2-A

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1010		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	878.2		mg/Kg		88	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: LCS 880-91538/2-A

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91538

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-91538/3-A

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	900.2		mg/Kg		90	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-7145-6 MS

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: SW - 22

Prep Type: Total/NA

Prep Batch: 91538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	837.3		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	904.5		mg/Kg		90	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-7145-6 MSD

Matrix: Solid

Analysis Batch: 91610

Client Sample ID: SW - 22

Prep Type: Total/NA

Prep Batch: 91538

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	1000	848.5		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	911.0		mg/Kg		91	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	88		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: MB 880-91643/1-A

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91643

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		09/24/24 14:20	09/25/24 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/24 14:20	09/25/24 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/24 14:20	09/25/24 08:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/24/24 14:20	09/25/24 08:13	1
o-Terphenyl	116		70 - 130				09/24/24 14:20	09/25/24 08:13	1

Lab Sample ID: LCS 880-91643/2-A

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1017		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	662.1	*-	mg/Kg		66	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	85		70 - 130				

Lab Sample ID: LCSD 880-91643/3-A

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	687.9	*-	mg/Kg		69	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	80		70 - 130						
o-Terphenyl	73		70 - 130						

Lab Sample ID: 890-7145-26 MS

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: SW - 38

Prep Type: Total/NA

Prep Batch: 91643

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	998	849.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	50.4	*-	998	758.0		mg/Kg		71	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7145-26 MS

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: SW - 38

Prep Type: Total/NA

Prep Batch: 91643

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-7145-26 MSD

Matrix: Solid

Analysis Batch: 91678

Client Sample ID: SW - 38

Prep Type: Total/NA

Prep Batch: 91643

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	830.9		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	50.4	*-	998	784.5		mg/Kg		74	70 - 130	3	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	87		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91590/1-A

Matrix: Solid

Analysis Batch: 91601

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			09/24/24 11:14	1	

Lab Sample ID: LCS 880-91590/2-A

Matrix: Solid

Analysis Batch: 91601

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	233.2		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-91590/3-A

Matrix: Solid

Analysis Batch: 91601

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	233.5		mg/Kg		93	90 - 110	0	20	

Lab Sample ID: 890-7145-4 MS

Matrix: Solid

Analysis Batch: 91601

Client Sample ID: SW - 20

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	6.26		253	241.1		mg/Kg		93	90 - 110	

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7145-4 MSD

Matrix: Solid

Analysis Batch: 91601

Client Sample ID: SW - 20

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.26		253	241.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: MB 880-91591/1-A

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/24/24 18:34	1

Lab Sample ID: LCS 880-91591/2-A

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.5		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-91591/3-A

Matrix: Solid

Analysis Batch: 91612

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	246.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-7145-14 MS

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: SW - 30

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.02	U	251	247.3		mg/Kg		97	90 - 110

Lab Sample ID: 890-7145-14 MSD

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: SW - 30

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U	251	245.5		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-7145-24 MS

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: BH - 41 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1540	F1	1260	3000	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-7145-24 MSD

Matrix: Solid

Analysis Batch: 91612

Client Sample ID: BH - 41 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1540	F1	1260	2995	F1	mg/Kg		115	90 - 110	0	20

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 91583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	8021B	91592
890-7145-2	SW - 18	Total/NA	Solid	8021B	91592
890-7145-3	SW - 19	Total/NA	Solid	8021B	91592
890-7145-4	SW - 20	Total/NA	Solid	8021B	91592
890-7145-5	SW - 21	Total/NA	Solid	8021B	91592
890-7145-6	SW - 22	Total/NA	Solid	8021B	91592
890-7145-7	SW - 23	Total/NA	Solid	8021B	91592
890-7145-8	SW - 24	Total/NA	Solid	8021B	91592
890-7145-9	SW - 25	Total/NA	Solid	8021B	91592
890-7145-10	SW - 26	Total/NA	Solid	8021B	91592
890-7145-11	SW - 27	Total/NA	Solid	8021B	91592
890-7145-12	SW - 28	Total/NA	Solid	8021B	91592
890-7145-13	SW - 29	Total/NA	Solid	8021B	91592
890-7145-14	SW - 30	Total/NA	Solid	8021B	91592
890-7145-15	SW - 31	Total/NA	Solid	8021B	91592
890-7145-16	SW - 32	Total/NA	Solid	8021B	91592
890-7145-17	SW - 35	Total/NA	Solid	8021B	91592
890-7145-18	SW - 36	Total/NA	Solid	8021B	91592
890-7145-19	SW - 4	Total/NA	Solid	8021B	91592
890-7145-20	SW - 5	Total/NA	Solid	8021B	91592
MB 880-91592/5-A	Method Blank	Total/NA	Solid	8021B	91592
LCS 880-91592/1-A	Lab Control Sample	Total/NA	Solid	8021B	91592
LCSD 880-91592/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91592
890-7145-1 MS	SW - 17	Total/NA	Solid	8021B	91592
890-7145-1 MSD	SW - 17	Total/NA	Solid	8021B	91592

Analysis Batch: 91584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-21	SW - 9	Total/NA	Solid	8021B	91593
890-7145-22	SW - 12	Total/NA	Solid	8021B	91593
890-7145-23	SW - 14	Total/NA	Solid	8021B	91593
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	8021B	91593
890-7145-25	SW - 37	Total/NA	Solid	8021B	91593
890-7145-26	SW - 38	Total/NA	Solid	8021B	91593
890-7145-27	SW - 39	Total/NA	Solid	8021B	91593
890-7145-28	SW - 40	Total/NA	Solid	8021B	91593
890-7145-29	SW - 41	Total/NA	Solid	8021B	91593
890-7145-30	SW - 42	Total/NA	Solid	8021B	91593
MB 880-91593/5-A	Method Blank	Total/NA	Solid	8021B	91593
LCS 880-91593/1-A	Lab Control Sample	Total/NA	Solid	8021B	91593
LCSD 880-91593/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91593
890-7145-21 MS	SW - 9	Total/NA	Solid	8021B	91593
890-7145-21 MSD	SW - 9	Total/NA	Solid	8021B	91593

Prep Batch: 91592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	5035	
890-7145-2	SW - 18	Total/NA	Solid	5035	
890-7145-3	SW - 19	Total/NA	Solid	5035	
890-7145-4	SW - 20	Total/NA	Solid	5035	
890-7145-5	SW - 21	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC VOA (Continued)

Prep Batch: 91592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-6	SW - 22	Total/NA	Solid	5035	
890-7145-7	SW - 23	Total/NA	Solid	5035	
890-7145-8	SW - 24	Total/NA	Solid	5035	
890-7145-9	SW - 25	Total/NA	Solid	5035	
890-7145-10	SW - 26	Total/NA	Solid	5035	
890-7145-11	SW - 27	Total/NA	Solid	5035	
890-7145-12	SW - 28	Total/NA	Solid	5035	
890-7145-13	SW - 29	Total/NA	Solid	5035	
890-7145-14	SW - 30	Total/NA	Solid	5035	
890-7145-15	SW - 31	Total/NA	Solid	5035	
890-7145-16	SW - 32	Total/NA	Solid	5035	
890-7145-17	SW - 35	Total/NA	Solid	5035	
890-7145-18	SW - 36	Total/NA	Solid	5035	
890-7145-19	SW - 4	Total/NA	Solid	5035	
890-7145-20	SW - 5	Total/NA	Solid	5035	
MB 880-91592/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91592/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91592/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7145-1 MS	SW - 17	Total/NA	Solid	5035	
890-7145-1 MSD	SW - 17	Total/NA	Solid	5035	

Prep Batch: 91593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-21	SW - 9	Total/NA	Solid	5035	
890-7145-22	SW - 12	Total/NA	Solid	5035	
890-7145-23	SW - 14	Total/NA	Solid	5035	
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	5035	
890-7145-25	SW - 37	Total/NA	Solid	5035	
890-7145-26	SW - 38	Total/NA	Solid	5035	
890-7145-27	SW - 39	Total/NA	Solid	5035	
890-7145-28	SW - 40	Total/NA	Solid	5035	
890-7145-29	SW - 41	Total/NA	Solid	5035	
890-7145-30	SW - 42	Total/NA	Solid	5035	
MB 880-91593/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91593/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91593/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7145-21 MS	SW - 9	Total/NA	Solid	5035	
890-7145-21 MSD	SW - 9	Total/NA	Solid	5035	

Analysis Batch: 91765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	Total BTEX	
890-7145-2	SW - 18	Total/NA	Solid	Total BTEX	
890-7145-3	SW - 19	Total/NA	Solid	Total BTEX	
890-7145-4	SW - 20	Total/NA	Solid	Total BTEX	
890-7145-5	SW - 21	Total/NA	Solid	Total BTEX	
890-7145-6	SW - 22	Total/NA	Solid	Total BTEX	
890-7145-7	SW - 23	Total/NA	Solid	Total BTEX	
890-7145-8	SW - 24	Total/NA	Solid	Total BTEX	
890-7145-9	SW - 25	Total/NA	Solid	Total BTEX	
890-7145-10	SW - 26	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC VOA (Continued)

Analysis Batch: 91765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-11	SW - 27	Total/NA	Solid	Total BTEX	
890-7145-12	SW - 28	Total/NA	Solid	Total BTEX	
890-7145-13	SW - 29	Total/NA	Solid	Total BTEX	
890-7145-14	SW - 30	Total/NA	Solid	Total BTEX	
890-7145-15	SW - 31	Total/NA	Solid	Total BTEX	
890-7145-16	SW - 32	Total/NA	Solid	Total BTEX	
890-7145-17	SW - 35	Total/NA	Solid	Total BTEX	
890-7145-18	SW - 36	Total/NA	Solid	Total BTEX	
890-7145-19	SW - 4	Total/NA	Solid	Total BTEX	
890-7145-20	SW - 5	Total/NA	Solid	Total BTEX	
890-7145-21	SW - 9	Total/NA	Solid	Total BTEX	
890-7145-22	SW - 12	Total/NA	Solid	Total BTEX	
890-7145-23	SW - 14	Total/NA	Solid	Total BTEX	
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	Total BTEX	
890-7145-25	SW - 37	Total/NA	Solid	Total BTEX	
890-7145-26	SW - 38	Total/NA	Solid	Total BTEX	
890-7145-27	SW - 39	Total/NA	Solid	Total BTEX	
890-7145-28	SW - 40	Total/NA	Solid	Total BTEX	
890-7145-29	SW - 41	Total/NA	Solid	Total BTEX	
890-7145-30	SW - 42	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 91450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	8015NM Prep	
890-7145-2	SW - 18	Total/NA	Solid	8015NM Prep	
890-7145-3	SW - 19	Total/NA	Solid	8015NM Prep	
890-7145-4	SW - 20	Total/NA	Solid	8015NM Prep	
890-7145-5	SW - 21	Total/NA	Solid	8015NM Prep	
MB 880-91450/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91450/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48806-A-10-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48806-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 91538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-6	SW - 22	Total/NA	Solid	8015NM Prep	
890-7145-7	SW - 23	Total/NA	Solid	8015NM Prep	
890-7145-8	SW - 24	Total/NA	Solid	8015NM Prep	
890-7145-9	SW - 25	Total/NA	Solid	8015NM Prep	
890-7145-10	SW - 26	Total/NA	Solid	8015NM Prep	
890-7145-11	SW - 27	Total/NA	Solid	8015NM Prep	
890-7145-12	SW - 28	Total/NA	Solid	8015NM Prep	
890-7145-13	SW - 29	Total/NA	Solid	8015NM Prep	
890-7145-14	SW - 30	Total/NA	Solid	8015NM Prep	
890-7145-15	SW - 31	Total/NA	Solid	8015NM Prep	
890-7145-16	SW - 32	Total/NA	Solid	8015NM Prep	
890-7145-17	SW - 35	Total/NA	Solid	8015NM Prep	
890-7145-18	SW - 36	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Prep Batch: 91538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-19	SW - 4	Total/NA	Solid	8015NM Prep	
890-7145-20	SW - 5	Total/NA	Solid	8015NM Prep	
890-7145-21	SW - 9	Total/NA	Solid	8015NM Prep	
890-7145-22	SW - 12	Total/NA	Solid	8015NM Prep	
890-7145-23	SW - 14	Total/NA	Solid	8015NM Prep	
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	8015NM Prep	
890-7145-25	SW - 37	Total/NA	Solid	8015NM Prep	
MB 880-91538/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91538/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7145-6 MS	SW - 22	Total/NA	Solid	8015NM Prep	
890-7145-6 MSD	SW - 22	Total/NA	Solid	8015NM Prep	

Analysis Batch: 91608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	8015B NM	91450
890-7145-2	SW - 18	Total/NA	Solid	8015B NM	91450
890-7145-3	SW - 19	Total/NA	Solid	8015B NM	91450
890-7145-4	SW - 20	Total/NA	Solid	8015B NM	91450
890-7145-5	SW - 21	Total/NA	Solid	8015B NM	91450
MB 880-91450/1-A	Method Blank	Total/NA	Solid	8015B NM	91450
LCS 880-91450/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91450
LCSD 880-91450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91450
880-48806-A-10-B MS	Matrix Spike	Total/NA	Solid	8015B NM	91450
880-48806-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91450

Analysis Batch: 91610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-6	SW - 22	Total/NA	Solid	8015B NM	91538
890-7145-7	SW - 23	Total/NA	Solid	8015B NM	91538
890-7145-8	SW - 24	Total/NA	Solid	8015B NM	91538
890-7145-9	SW - 25	Total/NA	Solid	8015B NM	91538
890-7145-10	SW - 26	Total/NA	Solid	8015B NM	91538
890-7145-11	SW - 27	Total/NA	Solid	8015B NM	91538
890-7145-12	SW - 28	Total/NA	Solid	8015B NM	91538
890-7145-13	SW - 29	Total/NA	Solid	8015B NM	91538
890-7145-14	SW - 30	Total/NA	Solid	8015B NM	91538
890-7145-15	SW - 31	Total/NA	Solid	8015B NM	91538
890-7145-16	SW - 32	Total/NA	Solid	8015B NM	91538
890-7145-17	SW - 35	Total/NA	Solid	8015B NM	91538
890-7145-18	SW - 36	Total/NA	Solid	8015B NM	91538
890-7145-19	SW - 4	Total/NA	Solid	8015B NM	91538
890-7145-20	SW - 5	Total/NA	Solid	8015B NM	91538
890-7145-21	SW - 9	Total/NA	Solid	8015B NM	91538
890-7145-22	SW - 12	Total/NA	Solid	8015B NM	91538
890-7145-23	SW - 14	Total/NA	Solid	8015B NM	91538
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	8015B NM	91538
890-7145-25	SW - 37	Total/NA	Solid	8015B NM	91538
MB 880-91538/1-A	Method Blank	Total/NA	Solid	8015B NM	91538
LCS 880-91538/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91538
LCSD 880-91538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91538

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Analysis Batch: 91610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-6 MS	SW - 22	Total/NA	Solid	8015B NM	91538
890-7145-6 MSD	SW - 22	Total/NA	Solid	8015B NM	91538

Prep Batch: 91643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-26	SW - 38	Total/NA	Solid	8015NM Prep	
890-7145-27	SW - 39	Total/NA	Solid	8015NM Prep	
890-7145-28	SW - 40	Total/NA	Solid	8015NM Prep	
890-7145-29	SW - 41	Total/NA	Solid	8015NM Prep	
890-7145-30	SW - 42	Total/NA	Solid	8015NM Prep	
MB 880-91643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7145-26 MS	SW - 38	Total/NA	Solid	8015NM Prep	
890-7145-26 MSD	SW - 38	Total/NA	Solid	8015NM Prep	

Analysis Batch: 91678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-26	SW - 38	Total/NA	Solid	8015B NM	91643
890-7145-27	SW - 39	Total/NA	Solid	8015B NM	91643
890-7145-28	SW - 40	Total/NA	Solid	8015B NM	91643
890-7145-29	SW - 41	Total/NA	Solid	8015B NM	91643
890-7145-30	SW - 42	Total/NA	Solid	8015B NM	91643
MB 880-91643/1-A	Method Blank	Total/NA	Solid	8015B NM	91643
LCS 880-91643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91643
LCSD 880-91643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91643
890-7145-26 MS	SW - 38	Total/NA	Solid	8015B NM	91643
890-7145-26 MSD	SW - 38	Total/NA	Solid	8015B NM	91643

Analysis Batch: 91734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Total/NA	Solid	8015 NM	
890-7145-2	SW - 18	Total/NA	Solid	8015 NM	
890-7145-3	SW - 19	Total/NA	Solid	8015 NM	
890-7145-4	SW - 20	Total/NA	Solid	8015 NM	
890-7145-5	SW - 21	Total/NA	Solid	8015 NM	
890-7145-6	SW - 22	Total/NA	Solid	8015 NM	
890-7145-7	SW - 23	Total/NA	Solid	8015 NM	
890-7145-8	SW - 24	Total/NA	Solid	8015 NM	
890-7145-9	SW - 25	Total/NA	Solid	8015 NM	
890-7145-10	SW - 26	Total/NA	Solid	8015 NM	
890-7145-11	SW - 27	Total/NA	Solid	8015 NM	
890-7145-12	SW - 28	Total/NA	Solid	8015 NM	
890-7145-13	SW - 29	Total/NA	Solid	8015 NM	
890-7145-14	SW - 30	Total/NA	Solid	8015 NM	
890-7145-15	SW - 31	Total/NA	Solid	8015 NM	
890-7145-16	SW - 32	Total/NA	Solid	8015 NM	
890-7145-17	SW - 35	Total/NA	Solid	8015 NM	
890-7145-18	SW - 36	Total/NA	Solid	8015 NM	
890-7145-19	SW - 4	Total/NA	Solid	8015 NM	
890-7145-20	SW - 5	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Analysis Batch: 91734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-21	SW - 9	Total/NA	Solid	8015 NM	
890-7145-22	SW - 12	Total/NA	Solid	8015 NM	
890-7145-23	SW - 14	Total/NA	Solid	8015 NM	
890-7145-24	BH - 41 (5.5')	Total/NA	Solid	8015 NM	
890-7145-25	SW - 37	Total/NA	Solid	8015 NM	
890-7145-26	SW - 38	Total/NA	Solid	8015 NM	
890-7145-27	SW - 39	Total/NA	Solid	8015 NM	
890-7145-28	SW - 40	Total/NA	Solid	8015 NM	
890-7145-29	SW - 41	Total/NA	Solid	8015 NM	
890-7145-30	SW - 42	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 91590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Soluble	Solid	DI Leach	
890-7145-2	SW - 18	Soluble	Solid	DI Leach	
890-7145-3	SW - 19	Soluble	Solid	DI Leach	
890-7145-4	SW - 20	Soluble	Solid	DI Leach	
890-7145-5	SW - 21	Soluble	Solid	DI Leach	
890-7145-6	SW - 22	Soluble	Solid	DI Leach	
890-7145-7	SW - 23	Soluble	Solid	DI Leach	
890-7145-8	SW - 24	Soluble	Solid	DI Leach	
890-7145-9	SW - 25	Soluble	Solid	DI Leach	
890-7145-10	SW - 26	Soluble	Solid	DI Leach	
890-7145-11	SW - 27	Soluble	Solid	DI Leach	
890-7145-12	SW - 28	Soluble	Solid	DI Leach	
890-7145-13	SW - 29	Soluble	Solid	DI Leach	
MB 880-91590/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91590/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91590/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7145-4 MS	SW - 20	Soluble	Solid	DI Leach	
890-7145-4 MSD	SW - 20	Soluble	Solid	DI Leach	

Leach Batch: 91591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-14	SW - 30	Soluble	Solid	DI Leach	
890-7145-15	SW - 31	Soluble	Solid	DI Leach	
890-7145-16	SW - 32	Soluble	Solid	DI Leach	
890-7145-17	SW - 35	Soluble	Solid	DI Leach	
890-7145-18	SW - 36	Soluble	Solid	DI Leach	
890-7145-19	SW - 4	Soluble	Solid	DI Leach	
890-7145-20	SW - 5	Soluble	Solid	DI Leach	
890-7145-21	SW - 9	Soluble	Solid	DI Leach	
890-7145-22	SW - 12	Soluble	Solid	DI Leach	
890-7145-23	SW - 14	Soluble	Solid	DI Leach	
890-7145-24	BH - 41 (5.5')	Soluble	Solid	DI Leach	
890-7145-25	SW - 37	Soluble	Solid	DI Leach	
890-7145-26	SW - 38	Soluble	Solid	DI Leach	
890-7145-27	SW - 39	Soluble	Solid	DI Leach	
890-7145-28	SW - 40	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

HPLC/IC (Continued)

Leach Batch: 91591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-29	SW - 41	Soluble	Solid	DI Leach	
890-7145-30	SW - 42	Soluble	Solid	DI Leach	
MB 880-91591/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91591/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91591/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7145-14 MS	SW - 30	Soluble	Solid	DI Leach	
890-7145-14 MSD	SW - 30	Soluble	Solid	DI Leach	
890-7145-24 MS	BH - 41 (5.5')	Soluble	Solid	DI Leach	
890-7145-24 MSD	BH - 41 (5.5')	Soluble	Solid	DI Leach	

Analysis Batch: 91601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-1	SW - 17	Soluble	Solid	300.0	91590
890-7145-2	SW - 18	Soluble	Solid	300.0	91590
890-7145-3	SW - 19	Soluble	Solid	300.0	91590
890-7145-4	SW - 20	Soluble	Solid	300.0	91590
890-7145-5	SW - 21	Soluble	Solid	300.0	91590
890-7145-6	SW - 22	Soluble	Solid	300.0	91590
890-7145-7	SW - 23	Soluble	Solid	300.0	91590
890-7145-8	SW - 24	Soluble	Solid	300.0	91590
890-7145-9	SW - 25	Soluble	Solid	300.0	91590
890-7145-10	SW - 26	Soluble	Solid	300.0	91590
890-7145-11	SW - 27	Soluble	Solid	300.0	91590
890-7145-12	SW - 28	Soluble	Solid	300.0	91590
890-7145-13	SW - 29	Soluble	Solid	300.0	91590
MB 880-91590/1-A	Method Blank	Soluble	Solid	300.0	91590
LCS 880-91590/2-A	Lab Control Sample	Soluble	Solid	300.0	91590
LCSD 880-91590/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91590
890-7145-4 MS	SW - 20	Soluble	Solid	300.0	91590
890-7145-4 MSD	SW - 20	Soluble	Solid	300.0	91590

Analysis Batch: 91612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7145-14	SW - 30	Soluble	Solid	300.0	91591
890-7145-15	SW - 31	Soluble	Solid	300.0	91591
890-7145-16	SW - 32	Soluble	Solid	300.0	91591
890-7145-17	SW - 35	Soluble	Solid	300.0	91591
890-7145-18	SW - 36	Soluble	Solid	300.0	91591
890-7145-19	SW - 4	Soluble	Solid	300.0	91591
890-7145-20	SW - 5	Soluble	Solid	300.0	91591
890-7145-21	SW - 9	Soluble	Solid	300.0	91591
890-7145-22	SW - 12	Soluble	Solid	300.0	91591
890-7145-23	SW - 14	Soluble	Solid	300.0	91591
890-7145-24	BH - 41 (5.5')	Soluble	Solid	300.0	91591
890-7145-25	SW - 37	Soluble	Solid	300.0	91591
890-7145-26	SW - 38	Soluble	Solid	300.0	91591
890-7145-27	SW - 39	Soluble	Solid	300.0	91591
890-7145-28	SW - 40	Soluble	Solid	300.0	91591
890-7145-29	SW - 41	Soluble	Solid	300.0	91591
890-7145-30	SW - 42	Soluble	Solid	300.0	91591
MB 880-91591/1-A	Method Blank	Soluble	Solid	300.0	91591

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

HPLC/IC (Continued)

Analysis Batch: 91612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-91591/2-A	Lab Control Sample	Soluble	Solid	300.0	91591
LCSD 880-91591/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91591
890-7145-14 MS	SW - 30	Soluble	Solid	300.0	91591
890-7145-14 MSD	SW - 30	Soluble	Solid	300.0	91591
890-7145-24 MS	BH - 41 (5.5')	Soluble	Solid	300.0	91591
890-7145-24 MSD	BH - 41 (5.5')	Soluble	Solid	300.0	91591

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 17

Lab Sample ID: 890-7145-1

Date Collected: 09/20/24 16:15

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 11:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 16:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91450	09/23/24 09:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91608	09/24/24 16:47	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 12:29	CH	EET MID

Client Sample ID: SW - 18

Lab Sample ID: 890-7145-2

Date Collected: 09/20/24 16:20

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 11:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91450	09/23/24 09:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91608	09/24/24 17:04	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 12:35	CH	EET MID

Client Sample ID: SW - 19

Lab Sample ID: 890-7145-3

Date Collected: 09/20/24 16:25

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91450	09/23/24 09:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91608	09/24/24 17:20	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 12:40	CH	EET MID

Client Sample ID: SW - 20

Lab Sample ID: 890-7145-4

Date Collected: 09/20/24 16:30

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:34	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 20

Lab Sample ID: 890-7145-4

Date Collected: 09/20/24 16:30

Matrix: Solid

Date Received: 09/23/24 09:11

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			91734	09/24/24 17:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91450	09/23/24 09:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91608	09/24/24 17:37	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 12:46	CH	EET MID

Client Sample ID: SW - 21

Lab Sample ID: 890-7145-5

Date Collected: 09/20/24 16:35

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91450	09/23/24 09:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91608	09/24/24 17:54	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:02	CH	EET MID

Client Sample ID: SW - 22

Lab Sample ID: 890-7145-6

Date Collected: 09/20/24 17:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 11:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 11:47	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:07	CH	EET MID

Client Sample ID: SW - 23

Lab Sample ID: 890-7145-7

Date Collected: 09/20/24 17:05

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 12:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 12:37	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 23

Lab Sample ID: 890-7145-7

Date Collected: 09/20/24 17:05

Matrix: Solid

Date Received: 09/23/24 09:11

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	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:24	CH	EET MID

Client Sample ID: SW - 24

Lab Sample ID: 890-7145-8

Date Collected: 09/20/24 17:10

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 12:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 12:53	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:29	CH	EET MID

Client Sample ID: SW - 25

Lab Sample ID: 890-7145-9

Date Collected: 09/20/24 17:15

Matrix: Solid

Date Received: 09/23/24 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 13:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 13:10	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:34	CH	EET MID

Client Sample ID: SW - 26

Lab Sample ID: 890-7145-10

Date Collected: 09/20/24 17:20

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 13:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 13:26	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:40	CH	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 27

Lab Sample ID: 890-7145-11

Date Collected: 09/20/24 15:30

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 13:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 13:43	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:45	CH	EET MID

Client Sample ID: SW - 28

Lab Sample ID: 890-7145-12

Date Collected: 09/20/24 15:35

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 16:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 13:59	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:51	CH	EET MID

Client Sample ID: SW - 29

Lab Sample ID: 890-7145-13

Date Collected: 09/20/24 15:40

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 14:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 14:16	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91590	09/24/24 08:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91601	09/24/24 13:56	CH	EET MID

Client Sample ID: SW - 30

Lab Sample ID: 890-7145-14

Date Collected: 09/20/24 15:45

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 17:29	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 30

Lab Sample ID: 890-7145-14

Date Collected: 09/20/24 15:45

Matrix: Solid

Date Received: 09/23/24 09:11

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			91734	09/24/24 14:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 14:33	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 18:54	CH	EET MID

Client Sample ID: SW - 31

Lab Sample ID: 890-7145-15

Date Collected: 09/20/24 15:50

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 17:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 14:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 14:50	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 19:14	CH	EET MID

Client Sample ID: SW - 32

Lab Sample ID: 890-7145-16

Date Collected: 09/20/24 15:55

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 18:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 15:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 15:24	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 19:20	CH	EET MID

Client Sample ID: SW - 35

Lab Sample ID: 890-7145-17

Date Collected: 09/20/24 16:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 15:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 15:40	AJ	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 35

Lab Sample ID: 890-7145-17

Date Collected: 09/20/24 16:00

Matrix: Solid

Date Received: 09/23/24 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 19:27	CH	EET MID

Client Sample ID: SW - 36

Lab Sample ID: 890-7145-18

Date Collected: 09/20/24 16:05

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 18:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 15:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 15:57	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 19:34	CH	EET MID

Client Sample ID: SW - 4

Lab Sample ID: 890-7145-19

Date Collected: 09/20/24 16:08

Matrix: Solid

Date Received: 09/23/24 09:11

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	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 19:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 16:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 16:14	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 19:54	CH	EET MID

Client Sample ID: SW - 5

Lab Sample ID: 890-7145-20

Date Collected: 09/20/24 16:10

Matrix: Solid

Date Received: 09/23/24 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91592	09/24/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91583	09/24/24 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 19:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 16:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 16:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:00	CH	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 9

Lab Sample ID: 890-7145-21

Date Collected: 09/20/24 17:25

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 16:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 16:47	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:07	CH	EET MID

Client Sample ID: SW - 12

Lab Sample ID: 890-7145-22

Date Collected: 09/20/24 17:28

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 17:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:14	CH	EET MID

Client Sample ID: SW - 14

Lab Sample ID: 890-7145-23

Date Collected: 09/20/24 17:30

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 12:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 17:20	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:20	CH	EET MID

Client Sample ID: BH - 41 (5.5')

Lab Sample ID: 890-7145-24

Date Collected: 09/20/24 17:35

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:02	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: BH - 41 (5.5')

Lab Sample ID: 890-7145-24

Date Collected: 09/20/24 17:35

Matrix: Solid

Date Received: 09/23/24 09:11

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			91734	09/24/24 17:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 17:37	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91612	09/24/24 20:27	CH	EET MID

Client Sample ID: SW - 37

Lab Sample ID: 890-7145-25

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/24/24 17:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91538	09/23/24 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91610	09/24/24 17:54	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:47	CH	EET MID

Client Sample ID: SW - 38

Lab Sample ID: 890-7145-26

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/25/24 11:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91643	09/24/24 14:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91678	09/25/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 20:54	CH	EET MID

Client Sample ID: SW - 39

Lab Sample ID: 890-7145-27

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/25/24 12:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91643	09/24/24 14:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91678	09/25/24 12:22	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Client Sample ID: SW - 39

Lab Sample ID: 890-7145-27

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 21:14	CH	EET MID

Client Sample ID: SW - 40

Lab Sample ID: 890-7145-28

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/25/24 12:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91643	09/24/24 14:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91678	09/25/24 12:42	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 21:20	CH	EET MID

Client Sample ID: SW - 41

Lab Sample ID: 890-7145-29

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 14:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/25/24 13:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91643	09/24/24 14:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91678	09/25/24 13:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 21:27	CH	EET MID

Client Sample ID: SW - 42

Lab Sample ID: 890-7145-30

Date Collected: 09/20/24 00:00

Matrix: Solid

Date Received: 09/23/24 09:11

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	91593	09/24/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91584	09/24/24 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91765	09/24/24 15:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			91734	09/25/24 13:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91643	09/24/24 14:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91678	09/25/24 13:22	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91591	09/24/24 08:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91612	09/24/24 21:34	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7145-1
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 #204

Job ID: 890-7145-1
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 #204

Job ID: 890-7145-1
SDG: LEA COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7145-1	SW - 17	Solid	09/20/24 16:15	09/23/24 09:11
890-7145-2	SW - 18	Solid	09/20/24 16:20	09/23/24 09:11
890-7145-3	SW - 19	Solid	09/20/24 16:25	09/23/24 09:11
890-7145-4	SW - 20	Solid	09/20/24 16:30	09/23/24 09:11
890-7145-5	SW - 21	Solid	09/20/24 16:35	09/23/24 09:11
890-7145-6	SW - 22	Solid	09/20/24 17:00	09/23/24 09:11
890-7145-7	SW - 23	Solid	09/20/24 17:05	09/23/24 09:11
890-7145-8	SW - 24	Solid	09/20/24 17:10	09/23/24 09:11
890-7145-9	SW - 25	Solid	09/20/24 17:15	09/23/24 09:11
890-7145-10	SW - 26	Solid	09/20/24 17:20	09/23/24 09:11
890-7145-11	SW - 27	Solid	09/20/24 15:30	09/23/24 09:11
890-7145-12	SW - 28	Solid	09/20/24 15:35	09/23/24 09:11
890-7145-13	SW - 29	Solid	09/20/24 15:40	09/23/24 09:11
890-7145-14	SW - 30	Solid	09/20/24 15:45	09/23/24 09:11
890-7145-15	SW - 31	Solid	09/20/24 15:50	09/23/24 09:11
890-7145-16	SW - 32	Solid	09/20/24 15:55	09/23/24 09:11
890-7145-17	SW - 35	Solid	09/20/24 16:00	09/23/24 09:11
890-7145-18	SW - 36	Solid	09/20/24 16:05	09/23/24 09:11
890-7145-19	SW - 4	Solid	09/20/24 16:08	09/23/24 09:11
890-7145-20	SW - 5	Solid	09/20/24 16:10	09/23/24 09:11
890-7145-21	SW - 9	Solid	09/20/24 17:25	09/23/24 09:11
890-7145-22	SW - 12	Solid	09/20/24 17:28	09/23/24 09:11
890-7145-23	SW - 14	Solid	09/20/24 17:30	09/23/24 09:11
890-7145-24	BH - 41 (5.5')	Solid	09/20/24 17:35	09/23/24 09:11
890-7145-25	SW - 37	Solid	09/20/24 00:00	09/23/24 09:11
890-7145-26	SW - 38	Solid	09/20/24 00:00	09/23/24 09:11
890-7145-27	SW - 39	Solid	09/20/24 00:00	09/23/24 09:11
890-7145-28	SW - 40	Solid	09/20/24 00:00	09/23/24 09:11
890-7145-29	SW - 41	Solid	09/20/24 00:00	09/23/24 09:11
890-7145-30	SW - 42	Solid	09/20/24 00:00	09/23/24 09:11

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

890-7145 Chain of Custody

Page 1 of 1

9/26/2024

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	432-741-5813	Brittany.long@tetrattech.com
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		YEAR: 2023		WATER	SOIL	HCL	HNO3	ICE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Relinquished by: *Jorge Fernandez* Date: 9/23/24 Time: 8:30

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Received by: *Brittany Long* Date: 9/23/24 Time: 9:00

Received by: _____ Date: _____ Time: _____

LAB USE ONLY

Sample Temperature

T_{min} 0.2
T_{max} 0.4
T_{avg} 0.2

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

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Released to Imaging: 8/15/2025 8:15:20 AM

Analysis Request of Chain of Custody Record

Page 2 of 2



Tetra Tech, Inc.

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

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204		432-741-5813 Brittany.long@tetrattech.com
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	General Water Chemistry (see attached list)	Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Relinquished by:	Date:	Time:	830
Relinquished by:	Date:	Time:	
Relinquished by:	Date:	Time:	

Received by: *Bruny* 9/23 9''

LAB USE ONLY

Sample Temperature
TAM007
-0.2
0.4
0.2

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



Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204		432-741-5813 Brittany.long@tetrattech.com
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

(Circle or Specify Method No.)

Hold	Page 64 of 66
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Received by: _____ Date: _____ Time: _____

Turnover
-0.2
0.4
0.2

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

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Released to Imaging: 8/15/2025 8:15:20 AM

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-7145-1
SDG Number: LEA COUNTY

Login Number: 7145
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: 890-7145-1
SDG Number: LEA COUNTY

Login Number: 7145
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 09/23/24 08:32 PM

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").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: MyEOL Posting
Eurofins System Processes
Company Used for System Processes
Lancaster, Pennsylvania 17603

Generated 10/7/2024 1:24:47 PM

JOB DESCRIPTION

MLMU #204
LEA COUNTY

JOB NUMBER

890-7173-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



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
10/7/2024 1:24:47 PM

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

Client: Eurofins System Processes
Project/Site: MLMU #204

Laboratory Job ID: 890-7173-1
SDG: LEA COUNTY

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Definitions/Glossary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Eurofins System Processes
Project: MLMU #204

Job ID: 890-7173-1

Job ID: 890-7173-1

Eurofins Carlsbad

Job Narrative
890-7173-1

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 9/30/2024 8:21 AM. 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 3.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 33 (890-7173-1), SW - 34 (890-7173-2), SW - 37 (890-7173-3), SW - 38 (890-7173-4), SW - 39 (890-7173-5), SW - 40 (890-7173-6), SW - 41 (890-7173-7), SW - 42 (890-7173-8), SW - 43 (890-7173-9), SW - 44 (890-7173-10), SW - 45 (890-7173-11), BH - 53 (5.5') (890-7173-12), BH - 54 (5.5') (890-7173-13), BH - 55 (5.5') (890-7173-14), BH - 56 (5.5') (890-7173-15), BH - 57 (5.5') (890-7173-16), BH - 58 (5.5') (890-7173-17), BH - 59 (5.5') (890-7173-18), BH - 60 (5.5') (890-7173-19), BH - 61 (5.5') (890-7173-20), BH - 62 (5.5') (890-7173-21), BH - 63 (5.5') (890-7173-22), BH - 64 (5.5') (890-7173-23), BH - 65 (5.5') (890-7173-24), BH - 66 (5.5') (890-7173-25), BH - 67 (5.5') (890-7173-26), BH - 68 (5.5') (890-7173-27), BH - 69 (5.5') (890-7173-28), BH - 70 (5.5') (890-7173-29), BH - 71 (5.5') (890-7173-30), BH - 71 (5.5') (890-7173-31), BH - 72 (5.5') (890-7173-32), BH - 73 (5.5') (890-7173-33), BH - 74 (5.5') (890-7173-34), BH - 75 (5.5') (890-7173-35), BH - 76 (5.5') (890-7173-36), BH - 77 (5.5') (890-7173-37), BH - 78 (5.5') (890-7173-38), BH - 79 (5.5') (890-7173-39), BH - 80 (5.5') (890-7173-40), BH - 81 (5.5') (890-7173-41) and BH - 82 (5.5') (890-7173-42).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92237 and 880-92247 and analytical batch 880-92217 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 38 (890-7173-4), SW - 39 (890-7173-5), SW - 41 (890-7173-7), SW - 42 (890-7173-8), SW - 43 (890-7173-9), SW - 44 (890-7173-10), SW - 45 (890-7173-11), BH - 53 (5.5') (890-7173-12), BH - 54 (5.5') (890-7173-13), BH - 55 (5.5') (890-7173-14), BH - 56 (5.5') (890-7173-15), BH - 57 (5.5') (890-7173-16), BH - 58 (5.5') (890-7173-17), BH - 59 (5.5') (890-7173-18), BH - 60 (5.5') (890-7173-19), BH - 61 (5.5') (890-7173-20), (CCV 880-92555/20) and (890-7173-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92131/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92131 and analytical batch 880-92279 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: The surrogate recovery for the blank associated with preparation batch 880-92140 and 880-92141 and analytical batch 880-92308 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92140 and analytical batch 880-92308 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

Eurofins Carlsbad

Case Narrative

Client: Eurofins System Processes
Project: MLMU #204

Job ID: 890-7173-1

Job ID: 890-7173-1 (Continued)**Eurofins Carlsbad**

acceptance 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 followings samples were analyzed at a dilution for Chloride due to the Matrix Conductivity Threshold (MCT) of the instrument: BH - 71 (5.5') (890-7173-30), (890-7173-A-30-E MS) and (890-7173-A-30-F MSD). The reporting limits have been adjusted accordingly.

Method 300_ORGFM_28D - Soluble: The result reported for Chloride for the following sample may be attributed to carryover from an earlier analysis: BH - 71 (5.5') (890-7173-31).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92294 and analytical batch 880-92324 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.

The associated samples are: BH - 72 (5.5') (890-7173-32), BH - 73 (5.5') (890-7173-33), BH - 74 (5.5') (890-7173-34), BH - 75 (5.5') (890-7173-35), BH - 76 (5.5') (890-7173-36), BH - 77 (5.5') (890-7173-37), BH - 78 (5.5') (890-7173-38), BH - 79 (5.5') (890-7173-39), BH - 80 (5.5') (890-7173-40), BH - 81 (5.5') (890-7173-41), (890-7173-A-40-F MS) and (890-7173-A-40-G MSD).

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

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 33

Lab Sample ID: 890-7173-1

Date Collected: 09/25/24 15:00

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 16:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 16:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 16:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 16:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 16:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	10/01/24 10:23	10/04/24 16:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:23	10/04/24 16:59	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			10/04/24 16:59	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			10/02/24 11:53	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		09/30/24 12:26	10/02/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 11:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	09/30/24 12:26	10/02/24 11:53	1
o-Terphenyl	97		70 - 130	09/30/24 12:26	10/02/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/04/24 02:31	1

Client Sample ID: SW - 34

Lab Sample ID: 890-7173-2

Date Collected: 09/25/24 15:05

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 17:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 17:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	10/01/24 10:23	10/04/24 17:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:23	10/04/24 17:20	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 34

Lab Sample ID: 890-7173-2

Date Collected: 09/25/24 15:05

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 12:14	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	49.9		mg/Kg		09/30/24 12:26	10/02/24 12:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 12:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/30/24 12:26	10/02/24 12:14	1
o-Terphenyl	95		70 - 130				09/30/24 12:26	10/02/24 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			10/04/24 02:37	1

Client Sample ID: SW - 37

Lab Sample ID: 890-7173-3

Date Collected: 09/25/24 15:08

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 17:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 17:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 17:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 17:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 17:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/01/24 10:23	10/04/24 17:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/01/24 10:23	10/04/24 17:40	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			10/04/24 17:40	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			10/02/24 12:34	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		09/30/24 12:26	10/02/24 12:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 12:34	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 37

Lab Sample ID: 890-7173-3

Date Collected: 09/25/24 15:08

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:26	10/02/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/30/24 12:26	10/02/24 12:34	1
o-Terphenyl	98		70 - 130				09/30/24 12:26	10/02/24 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			10/04/24 02:53	1

Client Sample ID: SW - 38

Lab Sample ID: 890-7173-4

Date Collected: 09/25/24 15:10

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 18:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 18:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				10/01/24 10:23	10/04/24 18:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/01/24 10:23	10/04/24 18:01	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			10/04/24 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/02/24 12:55	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		09/30/24 12:26	10/02/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 12:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/30/24 12:26	10/02/24 12:55	1
o-Terphenyl	84		70 - 130				09/30/24 12:26	10/02/24 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			10/04/24 02:58	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 39

Lab Sample ID: 890-7173-5

Date Collected: 09/25/24 15:13

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 18:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 18:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	10/01/24 10:23	10/04/24 18:21	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:23	10/04/24 18:21	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			10/04/24 18:21	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			10/02/24 13:15	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	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 13:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/30/24 12:26	10/02/24 13:15	1
o-Terphenyl	101		70 - 130	09/30/24 12:26	10/02/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			10/04/24 03:04	1

Client Sample ID: SW - 40

Lab Sample ID: 890-7173-6

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 18:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 18:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 18:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	10/01/24 10:23	10/04/24 18:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/01/24 10:23	10/04/24 18:42	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 40

Lab Sample ID: 890-7173-6

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/02/24 13:36	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	<49.6	U	49.6		mg/Kg		09/30/24 12:26	10/02/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/30/24 12:26	10/02/24 13:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/30/24 12:26	10/02/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				09/30/24 12:26	10/02/24 13:36	1
o-Terphenyl	91		70 - 130				09/30/24 12:26	10/02/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			10/04/24 03:09	1

Client Sample ID: SW - 41

Lab Sample ID: 890-7173-7

Date Collected: 09/25/24 15:20

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 19:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 19:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 19:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 19:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 19:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				10/01/24 10:23	10/04/24 19:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/01/24 10:23	10/04/24 19:02	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			10/04/24 19:02	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			10/02/24 13:56	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		09/30/24 12:26	10/02/24 13:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 13:56	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 41

Lab Sample ID: 890-7173-7

Date Collected: 09/25/24 15:20

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:26	10/02/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				09/30/24 12:26	10/02/24 13:56	1
o-Terphenyl	87		70 - 130				09/30/24 12:26	10/02/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			10/04/24 03:15	1

Client Sample ID: SW - 42

Lab Sample ID: 890-7173-8

Date Collected: 09/25/24 15:25

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 19:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 19:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/04/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				10/01/24 10:23	10/04/24 19:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/01/24 10:23	10/04/24 19:23	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			10/04/24 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 14:17	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		09/30/24 12:26	10/02/24 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/30/24 12:26	10/02/24 14:17	1
o-Terphenyl	93		70 - 130				09/30/24 12:26	10/02/24 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			10/04/24 03:20	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 43

Lab Sample ID: 890-7173-9

Date Collected: 09/25/24 15:30

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	10/01/24 10:23	10/04/24 19:43	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:23	10/04/24 19:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/04/24 19:43	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			10/02/24 14:38	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		09/30/24 12:26	10/02/24 14:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 14:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	09/30/24 12:26	10/02/24 14:38	1
o-Terphenyl	83		70 - 130	09/30/24 12:26	10/02/24 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			10/04/24 03:25	1

Client Sample ID: SW - 44

Lab Sample ID: 890-7173-10

Date Collected: 09/25/24 15:35

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 20:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 20:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 20:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 20:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	10/01/24 10:23	10/04/24 20:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:23	10/04/24 20:03	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 44

Lab Sample ID: 890-7173-10

Date Collected: 09/25/24 15:35

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 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			10/02/24 15:19	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		09/30/24 12:26	10/02/24 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				09/30/24 12:26	10/02/24 15:19	1
o-Terphenyl	103		70 - 130				09/30/24 12:26	10/02/24 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			10/04/24 00:29	1

Client Sample ID: SW - 45

Lab Sample ID: 890-7173-11

Date Collected: 09/25/24 15:40

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 21:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 21:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				10/01/24 10:23	10/04/24 21:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/01/24 10:23	10/04/24 21:37	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			10/04/24 21:37	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			10/02/24 15:39	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	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 15:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 15:39	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 45

Lab Sample ID: 890-7173-11

Date Collected: 09/25/24 15:40

Matrix: Solid

Date Received: 09/30/24 08:21

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)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/30/24 12:26	10/02/24 15:39	1
o-Terphenyl	94		70 - 130				09/30/24 12:26	10/02/24 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			10/04/24 00:48	1

Client Sample ID: BH - 53 (5.5')

Lab Sample ID: 890-7173-12

Date Collected: 09/26/24 09:50

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 21:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 21:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 21:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				10/01/24 10:23	10/04/24 21:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/01/24 10:23	10/04/24 21:57	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			10/04/24 21:57	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			10/02/24 16:00	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		09/30/24 12:26	10/02/24 16:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 16:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				09/30/24 12:26	10/02/24 16:00	1
o-Terphenyl	105		70 - 130				09/30/24 12:26	10/02/24 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		25.0		mg/Kg			10/04/24 00:55	5

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 54 (5.5')

Lab Sample ID: 890-7173-13

Date Collected: 09/25/24 15:45

Matrix: Solid

Date Received: 09/30/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:23	10/04/24 22:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:23	10/04/24 22:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:23	10/04/24 22:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/01/24 10:23	10/04/24 22:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:23	10/04/24 22:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/01/24 10:23	10/04/24 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	10/01/24 10:23	10/04/24 22:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/01/24 10:23	10/04/24 22:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/04/24 22:18	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			10/02/24 16:21	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		09/30/24 12:26	10/02/24 16:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 16:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	09/30/24 12:26	10/02/24 16:21	1
o-Terphenyl	102		70 - 130	09/30/24 12:26	10/02/24 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2140		24.8		mg/Kg			10/04/24 01:01	5

Client Sample ID: BH - 55 (5.5')

Lab Sample ID: 890-7173-14

Date Collected: 09/25/24 15:50

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 22:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 22:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 22:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 22:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 22:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	10/01/24 10:23	10/04/24 22:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/01/24 10:23	10/04/24 22:38	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 55 (5.5')

Lab Sample ID: 890-7173-14

Date Collected: 09/25/24 15:50

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 22:38	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			10/02/24 16:41	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		09/30/24 12:26	10/02/24 16:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 16:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/30/24 12:26	10/02/24 16:41	1
o-Terphenyl	94		70 - 130				09/30/24 12:26	10/02/24 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		5.05		mg/Kg			10/04/24 01:07	1

Client Sample ID: BH - 56 (5.5')

Lab Sample ID: 890-7173-15

Date Collected: 09/25/24 15:55

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 22:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 22:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				10/01/24 10:23	10/04/24 22:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/01/24 10:23	10/04/24 22:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/04/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 17:02	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		09/30/24 12:26	10/02/24 17:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 17:02	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 56 (5.5')

Lab Sample ID: 890-7173-15

Date Collected: 09/25/24 15:55

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:26	10/02/24 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/30/24 12:26	10/02/24 17:02	1
o-Terphenyl	105		70 - 130				09/30/24 12:26	10/02/24 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		4.98		mg/Kg			10/04/24 01:27	1

Client Sample ID: BH - 57 (5.5')

Lab Sample ID: 890-7173-16

Date Collected: 09/25/24 16:00

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 23:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 23:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 23:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 23:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:23	10/04/24 23:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:23	10/04/24 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				10/01/24 10:23	10/04/24 23:19	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/01/24 10:23	10/04/24 23:19	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			10/04/24 23:19	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			10/02/24 17:22	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		09/30/24 12:26	10/02/24 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 17:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				09/30/24 12:26	10/02/24 17:22	1
o-Terphenyl	102		70 - 130				09/30/24 12:26	10/02/24 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.0		4.96		mg/Kg			10/04/24 01:33	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 58 (5.5')

Lab Sample ID: 890-7173-17

Date Collected: 09/25/24 16:05

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/04/24 23:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 23:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 23:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 23:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/04/24 23:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/04/24 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	10/01/24 10:23	10/04/24 23:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/01/24 10:23	10/04/24 23:39	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			10/04/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/02/24 17:43	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	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 17:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 17:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/30/24 12:26	10/02/24 17:43	1
o-Terphenyl	107		70 - 130	09/30/24 12:26	10/02/24 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.06		5.04		mg/Kg			10/04/24 01:39	1

Client Sample ID: BH - 59 (5.5')

Lab Sample ID: 890-7173-18

Date Collected: 09/25/24 16:10

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/05/24 00:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/05/24 00:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:23	10/05/24 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	10/01/24 10:23	10/05/24 00:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/01/24 10:23	10/05/24 00:00	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 59 (5.5')

Lab Sample ID: 890-7173-18

Date Collected: 09/25/24 16:10

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/05/24 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/02/24 18:03	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		09/30/24 12:26	10/02/24 18:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 18:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/30/24 12:26	10/02/24 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/30/24 12:26	10/02/24 18:03	1
o-Terphenyl	103		70 - 130				09/30/24 12:26	10/02/24 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.9		5.03		mg/Kg			10/04/24 01:46	1

Client Sample ID: BH - 60 (5.5')

Lab Sample ID: 890-7173-19

Date Collected: 09/26/24 09:55

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/05/24 00:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/01/24 10:23	10/05/24 00:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/05/24 00:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/01/24 10:23	10/05/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				10/01/24 10:23	10/05/24 00:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/01/24 10:23	10/05/24 00:20	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			10/05/24 00:20	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			10/02/24 18:24	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		09/30/24 12:26	10/02/24 18:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:26	10/02/24 18:24	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 60 (5.5')

Lab Sample ID: 890-7173-19

Date Collected: 09/26/24 09:55

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:26	10/02/24 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/30/24 12:26	10/02/24 18:24	1
o-Terphenyl	114		70 - 130				09/30/24 12:26	10/02/24 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.4		5.02		mg/Kg			10/04/24 01:52	1

Client Sample ID: BH - 61 (5.5')

Lab Sample ID: 890-7173-20

Date Collected: 09/26/24 10:00

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:23	10/05/24 00:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/05/24 00:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/05/24 00:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/05/24 00:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:23	10/05/24 00:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:23	10/05/24 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				10/01/24 10:23	10/05/24 00:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/01/24 10:23	10/05/24 00:41	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			10/05/24 00:41	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			10/02/24 20:06	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		09/30/24 12:29	10/02/24 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/30/24 12:29	10/02/24 20:06	1
o-Terphenyl	103		70 - 130				09/30/24 12:29	10/02/24 20:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.01		mg/Kg			10/04/24 01:59	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 62 (5.5')

Lab Sample ID: 890-7173-21

Date Collected: 09/26/24 10:05

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 12:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 12:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 12:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 12:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 12:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/01/24 10:25	10/04/24 12:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/01/24 10:25	10/04/24 12:54	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			10/04/24 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 21:07	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	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/02/24 21:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/02/24 21:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/02/24 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				09/30/24 12:29	10/02/24 21:07	1
o-Terphenyl	111		70 - 130				09/30/24 12:29	10/02/24 21:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		5.05		mg/Kg			10/04/24 02:18	1

Client Sample ID: BH - 63 (5.5')

Lab Sample ID: 890-7173-22

Date Collected: 09/25/24 16:15

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 13:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 13:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 13:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 13:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 13:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/01/24 10:25	10/04/24 13:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/01/24 10:25	10/04/24 13:15	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 63 (5.5')

Lab Sample ID: 890-7173-22

Date Collected: 09/25/24 16:15

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 13:15	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			10/02/24 21:28	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		09/30/24 12:29	10/02/24 21:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 21:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 21:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/30/24 12:29	10/02/24 21:28	1
o-Terphenyl	109		70 - 130				09/30/24 12:29	10/02/24 21:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		4.98		mg/Kg			10/04/24 02:24	1

Client Sample ID: BH - 64 (5.5')

Lab Sample ID: 890-7173-23

Date Collected: 09/26/24 10:10

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 13:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 13:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 13:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 13:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 13:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/01/24 10:25	10/04/24 13:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/01/24 10:25	10/04/24 13:35	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			10/04/24 13:35	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			10/02/24 21:48	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	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/02/24 21:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/02/24 21:48	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 64 (5.5')

Lab Sample ID: 890-7173-23

Date Collected: 09/26/24 10:10

Matrix: Solid

Date Received: 09/30/24 08:21

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)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/02/24 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/30/24 12:29	10/02/24 21:48	1
o-Terphenyl	108		70 - 130				09/30/24 12:29	10/02/24 21:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4170		49.6		mg/Kg			10/04/24 02:44	10

Client Sample ID: BH - 65 (5.5')

Lab Sample ID: 890-7173-24

Date Collected: 09/26/24 10:20

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 13:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 13:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 13:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 13:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 13:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/01/24 10:25	10/04/24 13:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/01/24 10:25	10/04/24 13:56	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			10/04/24 13:56	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			10/02/24 22:08	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		09/30/24 12:29	10/02/24 22:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/02/24 22:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/02/24 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/30/24 12:29	10/02/24 22:08	1
o-Terphenyl	116		70 - 130				09/30/24 12:29	10/02/24 22:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		5.04		mg/Kg			10/04/24 02:50	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 66 (5.5')

Lab Sample ID: 890-7173-25

Date Collected: 09/26/24 10:25

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 14:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 14:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/01/24 10:25	10/04/24 14:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/01/24 10:25	10/04/24 14:16	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			10/04/24 14:16	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			10/02/24 22:29	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		09/30/24 12:29	10/02/24 22:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 22:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	09/30/24 12:29	10/02/24 22:29	1
o-Terphenyl	109		70 - 130	09/30/24 12:29	10/02/24 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		4.96		mg/Kg			10/04/24 02:56	1

Client Sample ID: BH - 67 (5.5')

Lab Sample ID: 890-7173-26

Date Collected: 09/25/24 16:30

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 14:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 14:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/01/24 10:25	10/04/24 14:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 14:37	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 67 (5.5')

Lab Sample ID: 890-7173-26

Date Collected: 09/25/24 16:30

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 14:37	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			10/02/24 22:49	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		09/30/24 12:29	10/02/24 22:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 22:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/02/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/30/24 12:29	10/02/24 22:49	1
o-Terphenyl	113		70 - 130				09/30/24 12:29	10/02/24 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		5.03		mg/Kg			10/04/24 03:03	1

Client Sample ID: BH - 68 (5.5')

Lab Sample ID: 890-7173-27

Date Collected: 09/25/24 16:35

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 14:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 14:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 14:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/01/24 10:25	10/04/24 14:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/01/24 10:25	10/04/24 14:57	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			10/04/24 14:57	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			10/02/24 23:10	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		09/30/24 12:29	10/02/24 23:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 23:10	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 68 (5.5')

Lab Sample ID: 890-7173-27

Date Collected: 09/25/24 16:35

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:29	10/02/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/30/24 12:29	10/02/24 23:10	1
o-Terphenyl	98		70 - 130				09/30/24 12:29	10/02/24 23:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.73		5.05		mg/Kg			10/04/24 03:09	1

Client Sample ID: BH - 69 (5.5')

Lab Sample ID: 890-7173-28

Date Collected: 09/25/24 16:40

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 15:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/01/24 10:25	10/04/24 15:18	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/01/24 10:25	10/04/24 15:18	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			10/04/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/02/24 23:31	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		09/30/24 12:29	10/02/24 23:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/30/24 12:29	10/02/24 23:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/30/24 12:29	10/02/24 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/30/24 12:29	10/02/24 23:31	1
o-Terphenyl	112		70 - 130				09/30/24 12:29	10/02/24 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		5.01		mg/Kg			10/04/24 03:16	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 70 (5.5')

Lab Sample ID: 890-7173-29

Date Collected: 09/26/24 10:35

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/01/24 10:25	10/04/24 15:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 15:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/04/24 15:38	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			10/02/24 23:51	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	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 23:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 23:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/02/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	09/30/24 12:29	10/02/24 23:51	1
o-Terphenyl	114		70 - 130	09/30/24 12:29	10/02/24 23:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.97		mg/Kg			10/04/24 03:22	1

Client Sample ID: BH - 71 (5.5')

Lab Sample ID: 890-7173-30

Date Collected: 09/25/24 16:45

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 15:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 15:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 15:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 15:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 15:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/01/24 10:25	10/04/24 15:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 15:59	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 71 (5.5')

Lab Sample ID: 890-7173-30

Date Collected: 09/25/24 16:45

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/03/24 00:31	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		09/30/24 12:29	10/03/24 00:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/03/24 00:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/03/24 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/30/24 12:29	10/03/24 00:31	1
o-Terphenyl	108		70 - 130				09/30/24 12:29	10/03/24 00:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		25.0		mg/Kg			10/04/24 13:33	5

Client Sample ID: BH - 71 (5.5')

Lab Sample ID: 890-7173-31

Date Collected: 09/25/24 16:50

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 17:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 17:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/01/24 10:25	10/04/24 17:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/01/24 10:25	10/04/24 17:22	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			10/04/24 17:22	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			10/03/24 00:52	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	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 00:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 00:52	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 71 (5.5')

Lab Sample ID: 890-7173-31

Date Collected: 09/25/24 16:50

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:29	10/03/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/30/24 12:29	10/03/24 00:52	1
o-Terphenyl	103		70 - 130				09/30/24 12:29	10/03/24 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		4.96		mg/Kg			10/04/24 13:49	1

Client Sample ID: BH - 72 (5.5')

Lab Sample ID: 890-7173-32

Date Collected: 09/25/24 16:55

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 17:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 17:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 17:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/01/24 10:25	10/04/24 17:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/01/24 10:25	10/04/24 17:43	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			10/04/24 17:43	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			10/03/24 01:13	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		09/30/24 12:29	10/03/24 01:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 01:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/30/24 12:29	10/03/24 01:13	1
o-Terphenyl	95		70 - 130				09/30/24 12:29	10/03/24 01:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		5.05		mg/Kg			10/03/24 19:51	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 73 (5.5')

Lab Sample ID: 890-7173-33

Date Collected: 09/26/24 17:00

Matrix: Solid

Date Received: 09/30/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:25	10/04/24 18:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:25	10/04/24 18:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:25	10/04/24 18:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/01/24 10:25	10/04/24 18:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/01/24 10:25	10/04/24 18:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/01/24 10:25	10/04/24 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/01/24 10:25	10/04/24 18:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 18:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/04/24 18:03	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			10/03/24 01:33	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		09/30/24 12:29	10/03/24 01:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 01:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	09/30/24 12:29	10/03/24 01:33	1
o-Terphenyl	103		70 - 130	09/30/24 12:29	10/03/24 01:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		4.98		mg/Kg			10/03/24 19:57	1

Client Sample ID: BH - 74 (5.5')

Lab Sample ID: 890-7173-34

Date Collected: 09/25/24 17:05

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/01/24 10:25	10/04/24 18:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/01/24 10:25	10/04/24 18:24	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 74 (5.5')

Lab Sample ID: 890-7173-34

Date Collected: 09/25/24 17:05

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 18:24	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			10/03/24 01:54	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	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 01:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 01:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/30/24 12:29	10/03/24 01:54	1
o-Terphenyl	113		70 - 130				09/30/24 12:29	10/03/24 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		5.04		mg/Kg			10/03/24 20:02	1

Client Sample ID: BH - 75 (5.5')

Lab Sample ID: 890-7173-35

Date Collected: 09/25/24 17:10

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 18:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 18:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 18:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 18:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/01/24 10:25	10/04/24 18:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/01/24 10:25	10/04/24 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/04/24 18:44	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			10/03/24 02:14	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		09/30/24 12:29	10/03/24 02:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/03/24 02:14	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 75 (5.5')

Lab Sample ID: 890-7173-35

Date Collected: 09/25/24 17:10

Matrix: Solid

Date Received: 09/30/24 08:21

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)	<49.7	U	49.7		mg/Kg		09/30/24 12:29	10/03/24 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/30/24 12:29	10/03/24 02:14	1
o-Terphenyl	107		70 - 130				09/30/24 12:29	10/03/24 02:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.02		mg/Kg			10/03/24 20:19	1

Client Sample ID: BH - 76 (5.5')

Lab Sample ID: 890-7173-36

Date Collected: 09/25/24 17:15

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:25	10/04/24 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:25	10/04/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/01/24 10:25	10/04/24 19:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/01/24 10:25	10/04/24 19:05	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			10/04/24 19:05	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			10/03/24 02:35	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		09/30/24 12:29	10/03/24 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:29	10/03/24 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/30/24 12:29	10/03/24 02:35	1
o-Terphenyl	119		70 - 130				09/30/24 12:29	10/03/24 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.1		4.98		mg/Kg			10/03/24 20:24	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 77 (5.5')

Lab Sample ID: 890-7173-37

Date Collected: 09/26/24 17:20

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 19:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 19:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 19:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 19:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 19:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/01/24 10:25	10/04/24 19:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 19:25	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			10/04/24 19:25	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			10/03/24 02:55	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		09/30/24 12:29	10/03/24 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:29	10/03/24 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	09/30/24 12:29	10/03/24 02:55	1
o-Terphenyl	105		70 - 130	09/30/24 12:29	10/03/24 02:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.96		mg/Kg			10/03/24 20:30	1

Client Sample ID: BH - 78 (5.5')

Lab Sample ID: 890-7173-38

Date Collected: 09/25/24 17:25

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 19:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 19:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:25	10/04/24 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/01/24 10:25	10/04/24 19:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/01/24 10:25	10/04/24 19:46	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 78 (5.5')

Lab Sample ID: 890-7173-38

Date Collected: 09/25/24 17:25

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/04/24 19:46	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			10/03/24 03:16	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		09/30/24 12:29	10/03/24 03:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/03/24 03:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/03/24 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/30/24 12:29	10/03/24 03:16	1
o-Terphenyl	105		70 - 130				09/30/24 12:29	10/03/24 03:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		5.04		mg/Kg			10/03/24 20:35	1

Client Sample ID: BH - 79 (5.5')

Lab Sample ID: 890-7173-39

Date Collected: 09/25/24 17:30

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 20:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 20:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 20:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/01/24 10:25	10/04/24 20:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 20:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/01/24 10:25	10/04/24 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/01/24 10:25	10/04/24 20:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/01/24 10:25	10/04/24 20:06	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			10/04/24 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/03/24 03:36	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		09/30/24 12:29	10/03/24 03:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/24 12:29	10/03/24 03:36	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 79 (5.5')

Lab Sample ID: 890-7173-39

Date Collected: 09/25/24 17:30

Matrix: Solid

Date Received: 09/30/24 08:21

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		09/30/24 12:29	10/03/24 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/30/24 12:29	10/03/24 03:36	1
o-Terphenyl	120		70 - 130				09/30/24 12:29	10/03/24 03:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		4.97		mg/Kg			10/03/24 20:41	1

Client Sample ID: BH - 80 (5.5')

Lab Sample ID: 890-7173-40

Date Collected: 09/25/24 17:35

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:25	10/04/24 20:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 20:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 20:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 20:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/24 10:25	10/04/24 20:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/24 10:25	10/04/24 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/01/24 10:25	10/04/24 20:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/01/24 10:25	10/04/24 20:27	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			10/04/24 20:27	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			10/01/24 20:00	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	50.0		mg/Kg		09/30/24 12:10	10/01/24 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/30/24 12:10	10/01/24 20:00	1
o-Terphenyl	90		70 - 130				09/30/24 12:10	10/01/24 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610	F1	24.8		mg/Kg			10/03/24 20:46	5

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 81 (5.5')

Lab Sample ID: 890-7173-41

Date Collected: 09/25/24 17:40

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:26	10/02/24 00:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:26	10/02/24 00:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:26	10/02/24 00:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/01/24 10:26	10/02/24 00:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/01/24 10:26	10/02/24 00:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/01/24 10:26	10/02/24 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/01/24 10:26	10/02/24 00:13	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/01/24 10:26	10/02/24 00:13	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			10/02/24 00:13	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			10/01/24 20:14	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		09/30/24 12:10	10/01/24 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	09/30/24 12:10	10/01/24 20:14	1
o-Terphenyl	87		70 - 130	09/30/24 12:10	10/01/24 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.52		5.05		mg/Kg			10/03/24 21:02	1

Client Sample ID: BH - 82 (5.5')

Lab Sample ID: 890-7173-42

Date Collected: 09/25/24 17:45

Matrix: Solid

Date Received: 09/30/24 08:21

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		10/01/24 10:26	10/02/24 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/02/24 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/02/24 00:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/24 10:26	10/02/24 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/02/24 00:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/24 10:26	10/02/24 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	10/01/24 10:26	10/02/24 00:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/01/24 10:26	10/02/24 00:34	1

Eurofins Carlsbad

Client Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 82 (5.5')

Lab Sample ID: 890-7173-42

Date Collected: 09/25/24 17:45

Matrix: Solid

Date Received: 09/30/24 08:21

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			10/02/24 00:34	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			10/02/24 10:52	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 F1	49.9		mg/Kg		09/30/24 12:26	10/02/24 10:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 10:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/24 12:26	10/02/24 10:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/30/24 12:26	10/02/24 10:52	1
o-Terphenyl	95		70 - 130				09/30/24 12:26	10/02/24 10:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		4.98		mg/Kg			10/03/24 21:08	1

Surrogate Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
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	DFBZ1
		(70-130)	(70-130)
890-7173-1	SW - 33	130	93
890-7173-1 MS	SW - 33	127	93
890-7173-1 MSD	SW - 33	133 S1+	93
890-7173-2	SW - 34	130	93
890-7173-3	SW - 37	130	93
890-7173-4	SW - 38	133 S1+	94
890-7173-5	SW - 39	134 S1+	93
890-7173-6	SW - 40	130	94
890-7173-7	SW - 41	135 S1+	93
890-7173-8	SW - 42	140 S1+	93
890-7173-9	SW - 43	133 S1+	93
890-7173-10	SW - 44	131 S1+	93
890-7173-11	SW - 45	140 S1+	93
890-7173-12	BH - 53 (5.5')	134 S1+	92
890-7173-13	BH - 54 (5.5')	133 S1+	92
890-7173-14	BH - 55 (5.5')	132 S1+	92
890-7173-15	BH - 56 (5.5')	134 S1+	92
890-7173-16	BH - 57 (5.5')	136 S1+	92
890-7173-17	BH - 58 (5.5')	134 S1+	92
890-7173-18	BH - 59 (5.5')	136 S1+	92
890-7173-19	BH - 60 (5.5')	134 S1+	93
890-7173-20	BH - 61 (5.5')	135 S1+	92
890-7173-21	BH - 62 (5.5')	111	103
890-7173-21 MS	BH - 62 (5.5')	103	102
890-7173-21 MSD	BH - 62 (5.5')	110	99
890-7173-22	BH - 63 (5.5')	109	103
890-7173-23	BH - 64 (5.5')	107	102
890-7173-24	BH - 65 (5.5')	108	101
890-7173-25	BH - 66 (5.5')	106	102
890-7173-26	BH - 67 (5.5')	109	101
890-7173-27	BH - 68 (5.5')	107	102
890-7173-28	BH - 69 (5.5')	112	100
890-7173-29	BH - 70 (5.5')	105	101
890-7173-30	BH - 71 (5.5')	104	101
890-7173-31	BH - 71 (5.5')	108	102
890-7173-32	BH - 72 (5.5')	110	104
890-7173-33	BH - 73 (5.5')	111	101
890-7173-34	BH - 74 (5.5')	109	104
890-7173-35	BH - 75 (5.5')	107	103
890-7173-36	BH - 76 (5.5')	107	103
890-7173-37	BH - 77 (5.5')	113	101
890-7173-38	BH - 78 (5.5')	105	101
890-7173-39	BH - 79 (5.5')	114	100
890-7173-40	BH - 80 (5.5')	111	102
890-7173-41	BH - 81 (5.5')	107	110
890-7173-41 MS	BH - 81 (5.5')	108	96
890-7173-41 MSD	BH - 81 (5.5')	112	97
890-7173-42	BH - 82 (5.5')	123	110
LCS 880-92244/1-A	Lab Control Sample	129	92

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Surrogate Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-92246/1-A	Lab Control Sample	104	103
LCS 880-92247/1-A	Lab Control Sample	113	102
LCSD 880-92244/2-A	Lab Control Sample Dup	128	94
LCSD 880-92246/2-A	Lab Control Sample Dup	99	102
LCSD 880-92247/2-A	Lab Control Sample Dup	115	105
MB 880-92237/5-A	Method Blank	138 S1+	89
MB 880-92244/5-A	Method Blank	127	91
MB 880-92246/5-A	Method Blank	103	99
MB 880-92247/5-A	Method Blank	143 S1+	93
Surrogate Legend			
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)
885-12721-A-99-E MS	Matrix Spike	91	81
885-12721-A-99-F MSD	Matrix Spike Duplicate	92	84
890-7173-1	SW - 33	92	97
890-7173-2	SW - 34	94	95
890-7173-3	SW - 37	92	98
890-7173-4	SW - 38	82	84
890-7173-5	SW - 39	96	101
890-7173-6	SW - 40	90	91
890-7173-7	SW - 41	84	87
890-7173-8	SW - 42	88	93
890-7173-9	SW - 43	84	83
890-7173-10	SW - 44	98	103
890-7173-11	SW - 45	92	94
890-7173-12	BH - 53 (5.5')	97	105
890-7173-13	BH - 54 (5.5')	100	102
890-7173-14	BH - 55 (5.5')	89	94
890-7173-15	BH - 56 (5.5')	101	105
890-7173-16	BH - 57 (5.5')	97	102
890-7173-17	BH - 58 (5.5')	105	107
890-7173-18	BH - 59 (5.5')	96	103
890-7173-19	BH - 60 (5.5')	105	114
890-7173-20	BH - 61 (5.5')	100	103
890-7173-20 MS	BH - 61 (5.5')	107	104
890-7173-20 MSD	BH - 61 (5.5')	99	94
890-7173-21	BH - 62 (5.5')	109	111
890-7173-22	BH - 63 (5.5')	101	109
890-7173-23	BH - 64 (5.5')	102	108
890-7173-24	BH - 65 (5.5')	106	116
890-7173-25	BH - 66 (5.5')	102	109
890-7173-26	BH - 67 (5.5')	107	113
890-7173-27	BH - 68 (5.5')	92	98

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Surrogate Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
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)
890-7173-28	BH - 69 (5.5')	105	112
890-7173-29	BH - 70 (5.5')	110	114
890-7173-30	BH - 71 (5.5')	99	108
890-7173-31	BH - 71 (5.5')	95	103
890-7173-32	BH - 72 (5.5')	91	95
890-7173-33	BH - 73 (5.5')	94	103
890-7173-34	BH - 74 (5.5')	107	113
890-7173-35	BH - 75 (5.5')	101	107
890-7173-36	BH - 76 (5.5')	114	119
890-7173-37	BH - 77 (5.5')	99	105
890-7173-38	BH - 78 (5.5')	104	105
890-7173-39	BH - 79 (5.5')	110	120
890-7173-40	BH - 80 (5.5')	92	90
890-7173-41	BH - 81 (5.5')	89	87
890-7173-42	BH - 82 (5.5')	91	95
890-7173-42 MS	BH - 82 (5.5')	107	103
890-7173-42 MSD	BH - 82 (5.5')	99	95
LCS 880-92131/2-A	Lab Control Sample	144 S1+	136 S1+
LCS 880-92140/2-A	Lab Control Sample	91	84
LCS 880-92141/2-A	Lab Control Sample	96	94
LCSD 880-92131/3-A	Lab Control Sample Dup	128	120
LCSD 880-92140/3-A	Lab Control Sample Dup	91	85
LCSD 880-92141/3-A	Lab Control Sample Dup	94	94
MB 880-92131/1-A	Method Blank	88	89
MB 880-92141/1-A	Method Blank	134 S1+	143 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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	OTPH1
MB 880-92140/1-A	Method Blank		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92237/5-A

Matrix: Solid

Analysis Batch: 92217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:10	10/01/24 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:10	10/01/24 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:10	10/01/24 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	10/01/24 10:10	10/01/24 12:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130	10/01/24 10:10	10/01/24 12:08	1

Lab Sample ID: MB 880-92244/5-A

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 16:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 16:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 16:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 16:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:23	10/04/24 16:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:23	10/04/24 16:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	10/01/24 10:23	10/04/24 16:38	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/01/24 10:23	10/04/24 16:38	1

Lab Sample ID: LCS 880-92244/1-A

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2209		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-92244/2-A

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1044		mg/Kg		104	70 - 130	0	35

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: LCSD 880-92244/2-A

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1064		mg/Kg		106	70 - 130	1		35
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130	0		35
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130	0		35
o-Xylene	0.100	0.1107		mg/Kg		111	70 - 130	0		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-7173-1 MS

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: SW - 33

Prep Type: Total/NA

Prep Batch: 92244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U	0.100	0.09762		mg/Kg		98	70 - 130	
Toluene	<0.00201	U	0.100	0.09759		mg/Kg		98	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.09553		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1952		mg/Kg		98	70 - 130	
o-Xylene	<0.00201	U	0.100	0.09778		mg/Kg		98	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-7173-1 MSD

Matrix: Solid

Analysis Batch: 92555

Client Sample ID: SW - 33

Prep Type: Total/NA

Prep Batch: 92244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00201	U	0.100	0.09455		mg/Kg		95	70 - 130	3		35
Toluene	<0.00201	U	0.100	0.09525		mg/Kg		95	70 - 130	2		35
Ethylbenzene	<0.00201	U	0.100	0.09510		mg/Kg		95	70 - 130	0		35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1957		mg/Kg		98	70 - 130	0		35
o-Xylene	<0.00201	U	0.100	0.09891		mg/Kg		99	70 - 130	1		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-92246/5-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92246

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 12:32	1

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: MB 880-92246/5-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92246

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	103		70 - 130				10/01/24 10:25	10/04/24 12:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/01/24 10:25	10/04/24 12:32	1

Lab Sample ID: LCS 880-92246/1-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92246

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.09443		mg/Kg		94	70 - 130		
Toluene	0.100	0.08975		mg/Kg		90	70 - 130		
Ethylbenzene	0.100	0.08937		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130		
o-Xylene	0.100	0.09623		mg/Kg		96	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: LCSD 880-92246/2-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92246

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09441		mg/Kg		94	70 - 130	0	35
Toluene	0.100	0.08944		mg/Kg		89	70 - 130	0	35
Ethylbenzene	0.100	0.08840		mg/Kg		88	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1898		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.09530		mg/Kg		95	70 - 130	1	35
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 890-7173-21 MS

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: BH - 62 (5.5')

Prep Type: Total/NA

Prep Batch: 92246

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00201	U	0.100	0.09205		mg/Kg		92	70 - 130		
Toluene	<0.00201	U	0.100	0.08596		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.08536		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1831		mg/Kg		92	70 - 130		
o-Xylene	<0.00201	U	0.100	0.09301		mg/Kg		93	70 - 130		

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7173-21 MS

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: BH - 62 (5.5')

Prep Type: Total/NA

Prep Batch: 92246

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7173-21 MSD

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: BH - 62 (5.5')

Prep Type: Total/NA

Prep Batch: 92246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08733		mg/Kg		87	70 - 130	5	35
Toluene	<0.00201	U	0.100	0.08215		mg/Kg		82	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.100	0.08155		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1750		mg/Kg		87	70 - 130	5	35
o-Xylene	<0.00201	U	0.100	0.08866		mg/Kg		89	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-92247/5-A

Matrix: Solid

Analysis Batch: 92217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/01/24 23:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/01/24 10:26	10/01/24 23:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/01/24 10:26	10/01/24 23:45	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	10/01/24 10:26	10/01/24 23:45	1			
1,4-Difluorobenzene (Surr)	93		70 - 130	10/01/24 10:26	10/01/24 23:45	1			

Lab Sample ID: LCS 880-92247/1-A

Matrix: Solid

Analysis Batch: 92217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09812		mg/Kg		98	70 - 130
Toluene	0.100	0.08465		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09325		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2115		mg/Kg		106	70 - 130
o-Xylene	0.100	0.09753		mg/Kg		98	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: LCS 880-92247/1-A
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92247

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-92247/2-A
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92247

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09758		mg/Kg		98	70 - 130	1	35
Toluene			0.100	0.08641		mg/Kg		86	70 - 130	2	35
Ethylbenzene			0.100	0.1060		mg/Kg		106	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2399		mg/Kg		120	70 - 130	13	35
o-Xylene			0.100	0.1101		mg/Kg		110	70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-7173-41 MS
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: BH - 81 (5.5')
Prep Type: Total/NA
Prep Batch: 92247

	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Analyte											
Benzene	<0.00201	U	0.100	0.08475		mg/Kg		85	70 - 130		
Toluene	<0.00201	U	0.100	0.07724		mg/Kg		77	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.08320		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1995		mg/Kg		100	70 - 130		
o-Xylene	<0.00201	U	0.100	0.09434		mg/Kg		94	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7173-41 MSD
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: BH - 81 (5.5')
Prep Type: Total/NA
Prep Batch: 92247

	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte											
Benzene	<0.00201	U	0.100	0.08298		mg/Kg		83	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.07719		mg/Kg		77	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.08211		mg/Kg		82	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1897		mg/Kg		95	70 - 130	5	35
o-Xylene	<0.00201	U	0.100	0.08509		mg/Kg		85	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: MB 880-92131/1-A

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92131

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		09/30/24 12:10	10/01/24 07:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 07:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:10	10/01/24 07:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/30/24 12:10	10/01/24 07:28	1
o-Terphenyl	89		70 - 130				09/30/24 12:10	10/01/24 07:28	1

Lab Sample ID: LCS 880-92131/2-A

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1109		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1068		mg/Kg		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	144	S1+	70 - 130				
o-Terphenyl	136	S1+	70 - 130				

Lab Sample ID: LCSD 880-92131/3-A

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92131

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	948.3		mg/Kg		95	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	908.7		mg/Kg		91	70 - 130	16	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	128		70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: 885-12721-A-99-E MS

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92131

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	995	767.9		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	259	F1	995	800.7	F1	mg/Kg		54	70 - 130

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QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: 885-12721-A-99-E MS

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92131

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 885-12721-A-99-F MSD

Matrix: Solid

Analysis Batch: 92279

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92131

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	995	835.2		mg/Kg		84	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	259	F1	995	825.7	F1	mg/Kg		57	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: MB 880-92140/1-A

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92140

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		09/30/24 12:26	10/02/24 08:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 08:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/24 12:26	10/02/24 08:30	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane				09/30/24 12:26	10/02/24 08:30	1
o-Terphenyl				09/30/24 12:26	10/02/24 08:30	1

Lab Sample ID: LCS 880-92140/2-A

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1099		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1066		mg/Kg		107	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	84		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: LCSD 880-92140/3-A

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92140

Analyte				Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1076					mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1075					mg/Kg		107	70 - 130	1	20
Surrogate				LCSD		Qualifier				Limits		
	%Recovery	Result	Qualifier	Added	Result		Unit	D	%Rec		RPD	Limit
1-Chlorooctane	91									70 - 130		
o-Terphenyl	85									70 - 130		

Lab Sample ID: 890-7173-42 MS

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: BH - 82 (5.5')

Prep Type: Total/NA

Prep Batch: 92140

Analyte				Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	999	<49.9	U F1		768.2		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	999	<49.9	U		855.0		mg/Kg		86	70 - 130		
Surrogate				MS		Qualifier				Limits		
	%Recovery	Result	Qualifier	Added	Result		Unit	D	%Rec		RPD	Limit
1-Chlorooctane	107									70 - 130		
o-Terphenyl	103									70 - 130		

Lab Sample ID: 890-7173-42 MSD

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: BH - 82 (5.5')

Prep Type: Total/NA

Prep Batch: 92140

Analyte				Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	999	<49.9	U F1		674.9	F1	mg/Kg		68	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	999	<49.9	U		782.5		mg/Kg		78	70 - 130	9	20
Surrogate				MSD		Qualifier				Limits		
	%Recovery	Result	Qualifier	Added	Result		Unit	D	%Rec		RPD	Limit
1-Chlorooctane	99									70 - 130		
o-Terphenyl	95									70 - 130		

Lab Sample ID: MB 880-92141/1-A

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92141

Analyte				RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	MB MB							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U		50.0		mg/Kg		09/30/24 12:29	10/02/24 19:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U		50.0		mg/Kg		09/30/24 12:29	10/02/24 19:04	1
Oil Range Organics (Over C28-C36)	<50.0	U		50.0		mg/Kg		09/30/24 12:29	10/02/24 19:04	1

Eurofins Carlsbad

QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: MB 880-92141/1-A
Matrix: Solid
Analysis Batch: 92308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92141

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	134	S1+	70 - 130	09/30/24 12:29	10/02/24 19:04	1
o-Terphenyl	143	S1+	70 - 130	09/30/24 12:29	10/02/24 19:04	1

Lab Sample ID: LCS 880-92141/2-A
Matrix: Solid
Analysis Batch: 92308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	927.4		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-92141/3-A
Matrix: Solid
Analysis Batch: 92308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	977.4		mg/Kg		98	70 - 130		5	20
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130		0	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-7173-20 MS
Matrix: Solid
Analysis Batch: 92308

Client Sample ID: BH - 61 (5.5')
Prep Type: Total/NA
Prep Batch: 92141

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	997	803.5		mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	935.3		mg/Kg		94	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	104		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7173-20 MSD

Matrix: Solid

Analysis Batch: 92308

Client Sample ID: BH - 61 (5.5')

Prep Type: Total/NA

Prep Batch: 92141

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	997	760.2		mg/Kg		74	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	851.1		mg/Kg		85	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	94		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92292/1-A

Matrix: Solid

Analysis Batch: 92299

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/04/24 00:44	1

Lab Sample ID: LCS 880-92292/2-A

Matrix: Solid

Analysis Batch: 92299

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-92292/3-A

Matrix: Solid

Analysis Batch: 92299

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	262.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-49208-A-15-C MS

Matrix: Solid

Analysis Batch: 92299

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	41.5		249	303.3		mg/Kg		105	90 - 110

Lab Sample ID: 880-49208-A-15-D MSD

Matrix: Solid

Analysis Batch: 92299

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	41.5		249	301.5		mg/Kg		104	90 - 110	1	20

Eurofins Carlsbad

QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-92293/1-A

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/04/24 00:10	1

Lab Sample ID: LCS 880-92293/2-A

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-92293/3-A

Matrix: Solid

Analysis Batch: 92302

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	246.0		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 890-7173-10 MS

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: SW - 44

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.96	U	248	242.0		mg/Kg		97	90 - 110

Lab Sample ID: 890-7173-10 MSD

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: SW - 44

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.96	U	248	239.7		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-7173-20 MS

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: BH - 61 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117		251	355.9		mg/Kg		95	90 - 110

Lab Sample ID: 890-7173-20 MSD

Matrix: Solid

Analysis Batch: 92302

Client Sample ID: BH - 61 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117		251	352.9		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-92294/1-A

Matrix: Solid

Analysis Batch: 92324

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/03/24 19:14	1

Eurofins Carlsbad

QC Sample Results

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-92294/2-A
Matrix: Solid
Analysis Batch: 92324

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-92294/3-A
Matrix: Solid
Analysis Batch: 92324

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	259.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-7173-30 MS
Matrix: Solid
Analysis Batch: 92324

Client Sample ID: BH - 71 (5.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2200		1250	3486		mg/Kg		103	90 - 110

Lab Sample ID: 890-7173-30 MSD
Matrix: Solid
Analysis Batch: 92324

Client Sample ID: BH - 71 (5.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2200		1250	3495		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-7173-40 MS
Matrix: Solid
Analysis Batch: 92324

Client Sample ID: BH - 80 (5.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2610	F1	1240	4420	F1	mg/Kg		146	90 - 110

Lab Sample ID: 890-7173-40 MSD
Matrix: Solid
Analysis Batch: 92324

Client Sample ID: BH - 80 (5.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2610	F1	1240	4436	F1	mg/Kg		147	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 92217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	8021B	92247
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	8021B	92247
MB 880-92237/5-A	Method Blank	Total/NA	Solid	8021B	92237
MB 880-92247/5-A	Method Blank	Total/NA	Solid	8021B	92247
LCS 880-92247/1-A	Lab Control Sample	Total/NA	Solid	8021B	92247
LCSD 880-92247/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92247
890-7173-41 MS	BH - 81 (5.5')	Total/NA	Solid	8021B	92247
890-7173-41 MSD	BH - 81 (5.5')	Total/NA	Solid	8021B	92247

Prep Batch: 92237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92237/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	5035	
890-7173-2	SW - 34	Total/NA	Solid	5035	
890-7173-3	SW - 37	Total/NA	Solid	5035	
890-7173-4	SW - 38	Total/NA	Solid	5035	
890-7173-5	SW - 39	Total/NA	Solid	5035	
890-7173-6	SW - 40	Total/NA	Solid	5035	
890-7173-7	SW - 41	Total/NA	Solid	5035	
890-7173-8	SW - 42	Total/NA	Solid	5035	
890-7173-9	SW - 43	Total/NA	Solid	5035	
890-7173-10	SW - 44	Total/NA	Solid	5035	
890-7173-11	SW - 45	Total/NA	Solid	5035	
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	5035	
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	5035	
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	5035	
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	5035	
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	5035	
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	5035	
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	5035	
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	5035	
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	5035	
MB 880-92244/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92244/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92244/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7173-1 MS	SW - 33	Total/NA	Solid	5035	
890-7173-1 MSD	SW - 33	Total/NA	Solid	5035	

Prep Batch: 92246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	5035	
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	5035	
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	5035	
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	5035	
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	5035	
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	5035	
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	5035	
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC VOA (Continued)

Prep Batch: 92246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	5035	
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	5035	
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	5035	
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	5035	
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	5035	
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	5035	
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	5035	
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	5035	
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	5035	
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	5035	
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	5035	
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	5035	
MB 880-92246/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92246/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92246/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7173-21 MS	BH - 62 (5.5')	Total/NA	Solid	5035	
890-7173-21 MSD	BH - 62 (5.5')	Total/NA	Solid	5035	

Prep Batch: 92247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	5035	
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	5035	
MB 880-92247/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92247/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92247/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7173-41 MS	BH - 81 (5.5')	Total/NA	Solid	5035	
890-7173-41 MSD	BH - 81 (5.5')	Total/NA	Solid	5035	

Analysis Batch: 92377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	Total BTEX	
890-7173-2	SW - 34	Total/NA	Solid	Total BTEX	
890-7173-3	SW - 37	Total/NA	Solid	Total BTEX	
890-7173-4	SW - 38	Total/NA	Solid	Total BTEX	
890-7173-5	SW - 39	Total/NA	Solid	Total BTEX	
890-7173-6	SW - 40	Total/NA	Solid	Total BTEX	
890-7173-7	SW - 41	Total/NA	Solid	Total BTEX	
890-7173-8	SW - 42	Total/NA	Solid	Total BTEX	
890-7173-9	SW - 43	Total/NA	Solid	Total BTEX	
890-7173-10	SW - 44	Total/NA	Solid	Total BTEX	
890-7173-11	SW - 45	Total/NA	Solid	Total BTEX	
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC VOA (Continued)

Analysis Batch: 92377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	Total BTEX	
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 92553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	8021B	92246
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	8021B	92246
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	8021B	92246
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	8021B	92246
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	8021B	92246
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	8021B	92246
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	8021B	92246
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	8021B	92246
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	8021B	92246
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	8021B	92246
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	8021B	92246
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	8021B	92246
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	8021B	92246
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	8021B	92246
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	8021B	92246
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	8021B	92246
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	8021B	92246
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	8021B	92246
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	8021B	92246
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	8021B	92246
MB 880-92246/5-A	Method Blank	Total/NA	Solid	8021B	92246
LCS 880-92246/1-A	Lab Control Sample	Total/NA	Solid	8021B	92246
LCS 880-92246/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92246
890-7173-21 MS	BH - 62 (5.5')	Total/NA	Solid	8021B	92246
890-7173-21 MSD	BH - 62 (5.5')	Total/NA	Solid	8021B	92246

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 92555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	8021B	92244
890-7173-2	SW - 34	Total/NA	Solid	8021B	92244
890-7173-3	SW - 37	Total/NA	Solid	8021B	92244
890-7173-4	SW - 38	Total/NA	Solid	8021B	92244
890-7173-5	SW - 39	Total/NA	Solid	8021B	92244
890-7173-6	SW - 40	Total/NA	Solid	8021B	92244
890-7173-7	SW - 41	Total/NA	Solid	8021B	92244
890-7173-8	SW - 42	Total/NA	Solid	8021B	92244
890-7173-9	SW - 43	Total/NA	Solid	8021B	92244
890-7173-10	SW - 44	Total/NA	Solid	8021B	92244
890-7173-11	SW - 45	Total/NA	Solid	8021B	92244
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	8021B	92244
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	8021B	92244
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	8021B	92244
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	8021B	92244
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	8021B	92244
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	8021B	92244
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	8021B	92244
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	8021B	92244
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	8021B	92244
MB 880-92244/5-A	Method Blank	Total/NA	Solid	8021B	92244
LCS 880-92244/1-A	Lab Control Sample	Total/NA	Solid	8021B	92244
LCSD 880-92244/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92244
890-7173-1 MS	SW - 33	Total/NA	Solid	8021B	92244
890-7173-1 MSD	SW - 33	Total/NA	Solid	8021B	92244

GC Semi VOA

Prep Batch: 92131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-92131/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92131/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-A-99-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
885-12721-A-99-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 92140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	8015NM Prep	
890-7173-2	SW - 34	Total/NA	Solid	8015NM Prep	
890-7173-3	SW - 37	Total/NA	Solid	8015NM Prep	
890-7173-4	SW - 38	Total/NA	Solid	8015NM Prep	
890-7173-5	SW - 39	Total/NA	Solid	8015NM Prep	
890-7173-6	SW - 40	Total/NA	Solid	8015NM Prep	
890-7173-7	SW - 41	Total/NA	Solid	8015NM Prep	
890-7173-8	SW - 42	Total/NA	Solid	8015NM Prep	
890-7173-9	SW - 43	Total/NA	Solid	8015NM Prep	
890-7173-10	SW - 44	Total/NA	Solid	8015NM Prep	
890-7173-11	SW - 45	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Prep Batch: 92140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-92140/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92140/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7173-42 MS	BH - 82 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-42 MSD	BH - 82 (5.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 92141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-92141/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92141/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92141/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7173-20 MS	BH - 61 (5.5')	Total/NA	Solid	8015NM Prep	
890-7173-20 MSD	BH - 61 (5.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	8015B NM	92131
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	8015B NM	92131
MB 880-92131/1-A	Method Blank	Total/NA	Solid	8015B NM	92131
LCS 880-92131/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92131
LCSD 880-92131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92131
885-12721-A-99-E MS	Matrix Spike	Total/NA	Solid	8015B NM	92131

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Analysis Batch: 92279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-A-99-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92131

Analysis Batch: 92308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	8015B NM	92140
890-7173-2	SW - 34	Total/NA	Solid	8015B NM	92140
890-7173-3	SW - 37	Total/NA	Solid	8015B NM	92140
890-7173-4	SW - 38	Total/NA	Solid	8015B NM	92140
890-7173-5	SW - 39	Total/NA	Solid	8015B NM	92140
890-7173-6	SW - 40	Total/NA	Solid	8015B NM	92140
890-7173-7	SW - 41	Total/NA	Solid	8015B NM	92140
890-7173-8	SW - 42	Total/NA	Solid	8015B NM	92140
890-7173-9	SW - 43	Total/NA	Solid	8015B NM	92140
890-7173-10	SW - 44	Total/NA	Solid	8015B NM	92140
890-7173-11	SW - 45	Total/NA	Solid	8015B NM	92140
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	8015B NM	92140
MB 880-92140/1-A	Method Blank	Total/NA	Solid	8015B NM	92140
MB 880-92141/1-A	Method Blank	Total/NA	Solid	8015B NM	92141
LCS 880-92140/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92140
LCS 880-92141/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92141
LCSD 880-92140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92140
LCSD 880-92141/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92141
890-7173-20 MS	BH - 61 (5.5')	Total/NA	Solid	8015B NM	92141

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Analysis Batch: 92308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-20 MSD	BH - 61 (5.5')	Total/NA	Solid	8015B NM	92141
890-7173-42 MS	BH - 82 (5.5')	Total/NA	Solid	8015B NM	92140
890-7173-42 MSD	BH - 82 (5.5')	Total/NA	Solid	8015B NM	92140

Analysis Batch: 92410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Total/NA	Solid	8015 NM	
890-7173-2	SW - 34	Total/NA	Solid	8015 NM	
890-7173-3	SW - 37	Total/NA	Solid	8015 NM	
890-7173-4	SW - 38	Total/NA	Solid	8015 NM	
890-7173-5	SW - 39	Total/NA	Solid	8015 NM	
890-7173-6	SW - 40	Total/NA	Solid	8015 NM	
890-7173-7	SW - 41	Total/NA	Solid	8015 NM	
890-7173-8	SW - 42	Total/NA	Solid	8015 NM	
890-7173-9	SW - 43	Total/NA	Solid	8015 NM	
890-7173-10	SW - 44	Total/NA	Solid	8015 NM	
890-7173-11	SW - 45	Total/NA	Solid	8015 NM	
890-7173-12	BH - 53 (5.5')	Total/NA	Solid	8015 NM	
890-7173-13	BH - 54 (5.5')	Total/NA	Solid	8015 NM	
890-7173-14	BH - 55 (5.5')	Total/NA	Solid	8015 NM	
890-7173-15	BH - 56 (5.5')	Total/NA	Solid	8015 NM	
890-7173-16	BH - 57 (5.5')	Total/NA	Solid	8015 NM	
890-7173-17	BH - 58 (5.5')	Total/NA	Solid	8015 NM	
890-7173-18	BH - 59 (5.5')	Total/NA	Solid	8015 NM	
890-7173-19	BH - 60 (5.5')	Total/NA	Solid	8015 NM	
890-7173-20	BH - 61 (5.5')	Total/NA	Solid	8015 NM	
890-7173-21	BH - 62 (5.5')	Total/NA	Solid	8015 NM	
890-7173-22	BH - 63 (5.5')	Total/NA	Solid	8015 NM	
890-7173-23	BH - 64 (5.5')	Total/NA	Solid	8015 NM	
890-7173-24	BH - 65 (5.5')	Total/NA	Solid	8015 NM	
890-7173-25	BH - 66 (5.5')	Total/NA	Solid	8015 NM	
890-7173-26	BH - 67 (5.5')	Total/NA	Solid	8015 NM	
890-7173-27	BH - 68 (5.5')	Total/NA	Solid	8015 NM	
890-7173-28	BH - 69 (5.5')	Total/NA	Solid	8015 NM	
890-7173-29	BH - 70 (5.5')	Total/NA	Solid	8015 NM	
890-7173-30	BH - 71 (5.5')	Total/NA	Solid	8015 NM	
890-7173-31	BH - 71 (5.5')	Total/NA	Solid	8015 NM	
890-7173-32	BH - 72 (5.5')	Total/NA	Solid	8015 NM	
890-7173-33	BH - 73 (5.5')	Total/NA	Solid	8015 NM	
890-7173-34	BH - 74 (5.5')	Total/NA	Solid	8015 NM	
890-7173-35	BH - 75 (5.5')	Total/NA	Solid	8015 NM	
890-7173-36	BH - 76 (5.5')	Total/NA	Solid	8015 NM	
890-7173-37	BH - 77 (5.5')	Total/NA	Solid	8015 NM	
890-7173-38	BH - 78 (5.5')	Total/NA	Solid	8015 NM	
890-7173-39	BH - 79 (5.5')	Total/NA	Solid	8015 NM	
890-7173-40	BH - 80 (5.5')	Total/NA	Solid	8015 NM	
890-7173-41	BH - 81 (5.5')	Total/NA	Solid	8015 NM	
890-7173-42	BH - 82 (5.5')	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

HPLC/IC

Leach Batch: 92292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Soluble	Solid	DI Leach	
890-7173-2	SW - 34	Soluble	Solid	DI Leach	
890-7173-3	SW - 37	Soluble	Solid	DI Leach	
890-7173-4	SW - 38	Soluble	Solid	DI Leach	
890-7173-5	SW - 39	Soluble	Solid	DI Leach	
890-7173-6	SW - 40	Soluble	Solid	DI Leach	
890-7173-7	SW - 41	Soluble	Solid	DI Leach	
890-7173-8	SW - 42	Soluble	Solid	DI Leach	
890-7173-9	SW - 43	Soluble	Solid	DI Leach	
MB 880-92292/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92292/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92292/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49208-A-15-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-49208-A-15-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 92293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-10	SW - 44	Soluble	Solid	DI Leach	
890-7173-11	SW - 45	Soluble	Solid	DI Leach	
890-7173-12	BH - 53 (5.5')	Soluble	Solid	DI Leach	
890-7173-13	BH - 54 (5.5')	Soluble	Solid	DI Leach	
890-7173-14	BH - 55 (5.5')	Soluble	Solid	DI Leach	
890-7173-15	BH - 56 (5.5')	Soluble	Solid	DI Leach	
890-7173-16	BH - 57 (5.5')	Soluble	Solid	DI Leach	
890-7173-17	BH - 58 (5.5')	Soluble	Solid	DI Leach	
890-7173-18	BH - 59 (5.5')	Soluble	Solid	DI Leach	
890-7173-19	BH - 60 (5.5')	Soluble	Solid	DI Leach	
890-7173-20	BH - 61 (5.5')	Soluble	Solid	DI Leach	
890-7173-21	BH - 62 (5.5')	Soluble	Solid	DI Leach	
890-7173-22	BH - 63 (5.5')	Soluble	Solid	DI Leach	
890-7173-23	BH - 64 (5.5')	Soluble	Solid	DI Leach	
890-7173-24	BH - 65 (5.5')	Soluble	Solid	DI Leach	
890-7173-25	BH - 66 (5.5')	Soluble	Solid	DI Leach	
890-7173-26	BH - 67 (5.5')	Soluble	Solid	DI Leach	
890-7173-27	BH - 68 (5.5')	Soluble	Solid	DI Leach	
890-7173-28	BH - 69 (5.5')	Soluble	Solid	DI Leach	
890-7173-29	BH - 70 (5.5')	Soluble	Solid	DI Leach	
MB 880-92293/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92293/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92293/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7173-10 MS	SW - 44	Soluble	Solid	DI Leach	
890-7173-10 MSD	SW - 44	Soluble	Solid	DI Leach	
890-7173-20 MS	BH - 61 (5.5')	Soluble	Solid	DI Leach	
890-7173-20 MSD	BH - 61 (5.5')	Soluble	Solid	DI Leach	

Leach Batch: 92294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-30	BH - 71 (5.5')	Soluble	Solid	DI Leach	
890-7173-31	BH - 71 (5.5')	Soluble	Solid	DI Leach	
890-7173-32	BH - 72 (5.5')	Soluble	Solid	DI Leach	
890-7173-33	BH - 73 (5.5')	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

HPLC/IC (Continued)

Leach Batch: 92294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-34	BH - 74 (5.5')	Soluble	Solid	DI Leach	
890-7173-35	BH - 75 (5.5')	Soluble	Solid	DI Leach	
890-7173-36	BH - 76 (5.5')	Soluble	Solid	DI Leach	
890-7173-37	BH - 77 (5.5')	Soluble	Solid	DI Leach	
890-7173-38	BH - 78 (5.5')	Soluble	Solid	DI Leach	
890-7173-39	BH - 79 (5.5')	Soluble	Solid	DI Leach	
890-7173-40	BH - 80 (5.5')	Soluble	Solid	DI Leach	
890-7173-41	BH - 81 (5.5')	Soluble	Solid	DI Leach	
890-7173-42	BH - 82 (5.5')	Soluble	Solid	DI Leach	
MB 880-92294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7173-30 MS	BH - 71 (5.5')	Soluble	Solid	DI Leach	
890-7173-30 MSD	BH - 71 (5.5')	Soluble	Solid	DI Leach	
890-7173-40 MS	BH - 80 (5.5')	Soluble	Solid	DI Leach	
890-7173-40 MSD	BH - 80 (5.5')	Soluble	Solid	DI Leach	

Analysis Batch: 92299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-1	SW - 33	Soluble	Solid	300.0	92292
890-7173-2	SW - 34	Soluble	Solid	300.0	92292
890-7173-3	SW - 37	Soluble	Solid	300.0	92292
890-7173-4	SW - 38	Soluble	Solid	300.0	92292
890-7173-5	SW - 39	Soluble	Solid	300.0	92292
890-7173-6	SW - 40	Soluble	Solid	300.0	92292
890-7173-7	SW - 41	Soluble	Solid	300.0	92292
890-7173-8	SW - 42	Soluble	Solid	300.0	92292
890-7173-9	SW - 43	Soluble	Solid	300.0	92292
MB 880-92292/1-A	Method Blank	Soluble	Solid	300.0	92292
LCS 880-92292/2-A	Lab Control Sample	Soluble	Solid	300.0	92292
LCSD 880-92292/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92292
880-49208-A-15-C MS	Matrix Spike	Soluble	Solid	300.0	92292
880-49208-A-15-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	92292

Analysis Batch: 92302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-10	SW - 44	Soluble	Solid	300.0	92293
890-7173-11	SW - 45	Soluble	Solid	300.0	92293
890-7173-12	BH - 53 (5.5')	Soluble	Solid	300.0	92293
890-7173-13	BH - 54 (5.5')	Soluble	Solid	300.0	92293
890-7173-14	BH - 55 (5.5')	Soluble	Solid	300.0	92293
890-7173-15	BH - 56 (5.5')	Soluble	Solid	300.0	92293
890-7173-16	BH - 57 (5.5')	Soluble	Solid	300.0	92293
890-7173-17	BH - 58 (5.5')	Soluble	Solid	300.0	92293
890-7173-18	BH - 59 (5.5')	Soluble	Solid	300.0	92293
890-7173-19	BH - 60 (5.5')	Soluble	Solid	300.0	92293
890-7173-20	BH - 61 (5.5')	Soluble	Solid	300.0	92293
890-7173-21	BH - 62 (5.5')	Soluble	Solid	300.0	92293
890-7173-22	BH - 63 (5.5')	Soluble	Solid	300.0	92293
890-7173-23	BH - 64 (5.5')	Soluble	Solid	300.0	92293
890-7173-24	BH - 65 (5.5')	Soluble	Solid	300.0	92293

Eurofins Carlsbad

QC Association Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

HPLC/IC (Continued)

Analysis Batch: 92302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-25	BH - 66 (5.5')	Soluble	Solid	300.0	92293
890-7173-26	BH - 67 (5.5')	Soluble	Solid	300.0	92293
890-7173-27	BH - 68 (5.5')	Soluble	Solid	300.0	92293
890-7173-28	BH - 69 (5.5')	Soluble	Solid	300.0	92293
890-7173-29	BH - 70 (5.5')	Soluble	Solid	300.0	92293
MB 880-92293/1-A	Method Blank	Soluble	Solid	300.0	92293
LCS 880-92293/2-A	Lab Control Sample	Soluble	Solid	300.0	92293
LCSD 880-92293/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92293
890-7173-10 MS	SW - 44	Soluble	Solid	300.0	92293
890-7173-10 MSD	SW - 44	Soluble	Solid	300.0	92293
890-7173-20 MS	BH - 61 (5.5')	Soluble	Solid	300.0	92293
890-7173-20 MSD	BH - 61 (5.5')	Soluble	Solid	300.0	92293

Analysis Batch: 92324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7173-30	BH - 71 (5.5')	Soluble	Solid	300.0	92294
890-7173-31	BH - 71 (5.5')	Soluble	Solid	300.0	92294
890-7173-32	BH - 72 (5.5')	Soluble	Solid	300.0	92294
890-7173-33	BH - 73 (5.5')	Soluble	Solid	300.0	92294
890-7173-34	BH - 74 (5.5')	Soluble	Solid	300.0	92294
890-7173-35	BH - 75 (5.5')	Soluble	Solid	300.0	92294
890-7173-36	BH - 76 (5.5')	Soluble	Solid	300.0	92294
890-7173-37	BH - 77 (5.5')	Soluble	Solid	300.0	92294
890-7173-38	BH - 78 (5.5')	Soluble	Solid	300.0	92294
890-7173-39	BH - 79 (5.5')	Soluble	Solid	300.0	92294
890-7173-40	BH - 80 (5.5')	Soluble	Solid	300.0	92294
890-7173-41	BH - 81 (5.5')	Soluble	Solid	300.0	92294
890-7173-42	BH - 82 (5.5')	Soluble	Solid	300.0	92294
MB 880-92294/1-A	Method Blank	Soluble	Solid	300.0	92294
LCS 880-92294/2-A	Lab Control Sample	Soluble	Solid	300.0	92294
LCSD 880-92294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92294
890-7173-30 MS	BH - 71 (5.5')	Soluble	Solid	300.0	92294
890-7173-30 MSD	BH - 71 (5.5')	Soluble	Solid	300.0	92294
890-7173-40 MS	BH - 80 (5.5')	Soluble	Solid	300.0	92294
890-7173-40 MSD	BH - 80 (5.5')	Soluble	Solid	300.0	92294

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 33

Lab Sample ID: 890-7173-1

Date Collected: 09/25/24 15:00

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 02:31	SMC	EET MID

Client Sample ID: SW - 34

Lab Sample ID: 890-7173-2

Date Collected: 09/25/24 15:05

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 12:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 02:37	SMC	EET MID

Client Sample ID: SW - 37

Lab Sample ID: 890-7173-3

Date Collected: 09/25/24 15:08

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 02:53	SMC	EET MID

Client Sample ID: SW - 38

Lab Sample ID: 890-7173-4

Date Collected: 09/25/24 15:10

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:01	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 38

Lab Sample ID: 890-7173-4

Date Collected: 09/25/24 15:10

Matrix: Solid

Date Received: 09/30/24 08:21

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			92410	10/02/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 12:55	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 02:58	SMC	EET MID

Client Sample ID: SW - 39

Lab Sample ID: 890-7173-5

Date Collected: 09/25/24 15:13

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 03:04	SMC	EET MID

Client Sample ID: SW - 40

Lab Sample ID: 890-7173-6

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 13:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 03:09	SMC	EET MID

Client Sample ID: SW - 41

Lab Sample ID: 890-7173-7

Date Collected: 09/25/24 15:20

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 13:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 13:56	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 41**Lab Sample ID: 890-7173-7****Date Collected: 09/25/24 15:20****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 03:15	SMC	EET MID

Client Sample ID: SW - 42**Lab Sample ID: 890-7173-8****Date Collected: 09/25/24 15:25****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 14:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 14:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 03:20	SMC	EET MID

Client Sample ID: SW - 43**Lab Sample ID: 890-7173-9****Date Collected: 09/25/24 15:30****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 14:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 14:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	92292	10/01/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92299	10/04/24 03:25	SMC	EET MID

Client Sample ID: SW - 44**Lab Sample ID: 890-7173-10****Date Collected: 09/25/24 15:35****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 20:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 15:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 00:29	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: SW - 45

Lab Sample ID: 890-7173-11

Date Collected: 09/25/24 15:40

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 21:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 21:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 00:48	SMC	EET MID

Client Sample ID: BH - 53 (5.5')

Lab Sample ID: 890-7173-12

Date Collected: 09/26/24 09:50

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 21:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 16:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 16:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92302	10/04/24 00:55	SMC	EET MID

Client Sample ID: BH - 54 (5.5')

Lab Sample ID: 890-7173-13

Date Collected: 09/25/24 15:45

Matrix: Solid

Date Received: 09/30/24 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 22:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 22:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 16:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92302	10/04/24 01:01	SMC	EET MID

Client Sample ID: BH - 55 (5.5')

Lab Sample ID: 890-7173-14

Date Collected: 09/25/24 15:50

Matrix: Solid

Date Received: 09/30/24 08:21

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 22:38	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 55 (5.5')**Lab Sample ID: 890-7173-14****Date Collected: 09/25/24 15:50****Matrix: Solid****Date Received: 09/30/24 08:21**

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			92410	10/02/24 16:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 16:41	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:07	SMC	EET MID

Client Sample ID: BH - 56 (5.5')**Lab Sample ID: 890-7173-15****Date Collected: 09/25/24 15:55****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 22:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 22:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 17:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:27	SMC	EET MID

Client Sample ID: BH - 57 (5.5')**Lab Sample ID: 890-7173-16****Date Collected: 09/25/24 16:00****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 23:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:33	SMC	EET MID

Client Sample ID: BH - 58 (5.5')**Lab Sample ID: 890-7173-17****Date Collected: 09/25/24 16:05****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/04/24 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 23:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 17:43	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 58 (5.5')**Lab Sample ID: 890-7173-17****Date Collected: 09/25/24 16:05****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:39	SMC	EET MID

Client Sample ID: BH - 59 (5.5')**Lab Sample ID: 890-7173-18****Date Collected: 09/25/24 16:10****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/05/24 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/05/24 00:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 18:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 18:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:46	SMC	EET MID

Client Sample ID: BH - 60 (5.5')**Lab Sample ID: 890-7173-19****Date Collected: 09/26/24 09:55****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/05/24 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/05/24 00:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 18:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 18:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:52	SMC	EET MID

Client Sample ID: BH - 61 (5.5')**Lab Sample ID: 890-7173-20****Date Collected: 09/26/24 10:00****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92244	10/01/24 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92555	10/05/24 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/05/24 00:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 20:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 20:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 01:59	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 62 (5.5')**Lab Sample ID: 890-7173-21****Date Collected: 09/26/24 10:05****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 21:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 21:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 02:18	SMC	EET MID

Client Sample ID: BH - 63 (5.5')**Lab Sample ID: 890-7173-22****Date Collected: 09/25/24 16:15****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 13:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 21:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 21:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 02:24	SMC	EET MID

Client Sample ID: BH - 64 (5.5')**Lab Sample ID: 890-7173-23****Date Collected: 09/26/24 10:10****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 21:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 21:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	92302	10/04/24 02:44	SMC	EET MID

Client Sample ID: BH - 65 (5.5')**Lab Sample ID: 890-7173-24****Date Collected: 09/26/24 10:20****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 13:56	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 65 (5.5')**Lab Sample ID: 890-7173-24****Date Collected: 09/26/24 10:20****Matrix: Solid****Date Received: 09/30/24 08:21**

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			92410	10/02/24 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 22:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 02:50	SMC	EET MID

Client Sample ID: BH - 66 (5.5')**Lab Sample ID: 890-7173-25****Date Collected: 09/26/24 10:25****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 22:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 22:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 02:56	SMC	EET MID

Client Sample ID: BH - 67 (5.5')**Lab Sample ID: 890-7173-26****Date Collected: 09/25/24 16:30****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 22:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 03:03	SMC	EET MID

Client Sample ID: BH - 68 (5.5')**Lab Sample ID: 890-7173-27****Date Collected: 09/25/24 16:35****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 14:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 23:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 23:10	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 68 (5.5')**Lab Sample ID: 890-7173-27****Date Collected: 09/25/24 16:35****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 03:09	SMC	EET MID

Client Sample ID: BH - 69 (5.5')**Lab Sample ID: 890-7173-28****Date Collected: 09/25/24 16:40****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 15:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 23:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 03:16	SMC	EET MID

Client Sample ID: BH - 70 (5.5')**Lab Sample ID: 890-7173-29****Date Collected: 09/26/24 10:35****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 23:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 23:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92293	10/01/24 15:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92302	10/04/24 03:22	SMC	EET MID

Client Sample ID: BH - 71 (5.5')**Lab Sample ID: 890-7173-30****Date Collected: 09/25/24 16:45****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 00:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92324	10/04/24 13:33	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 71 (5.5')**Lab Sample ID: 890-7173-31****Date Collected: 09/25/24 16:50****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 00:52	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/04/24 13:49	SMC	EET MID

Client Sample ID: BH - 72 (5.5')**Lab Sample ID: 890-7173-32****Date Collected: 09/25/24 16:55****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 17:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 01:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 19:51	SMC	EET MID

Client Sample ID: BH - 73 (5.5')**Lab Sample ID: 890-7173-33****Date Collected: 09/26/24 17:00****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 01:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 01:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 19:57	SMC	EET MID

Client Sample ID: BH - 74 (5.5')**Lab Sample ID: 890-7173-34****Date Collected: 09/25/24 17:05****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:24	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 74 (5.5')

Lab Sample ID: 890-7173-34

Date Collected: 09/25/24 17:05

Matrix: Solid

Date Received: 09/30/24 08:21

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			92410	10/03/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 01:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:02	SMC	EET MID

Client Sample ID: BH - 75 (5.5')

Lab Sample ID: 890-7173-35

Date Collected: 09/25/24 17:10

Matrix: Solid

Date Received: 09/30/24 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 02:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 02:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:19	SMC	EET MID

Client Sample ID: BH - 76 (5.5')

Lab Sample ID: 890-7173-36

Date Collected: 09/25/24 17:15

Matrix: Solid

Date Received: 09/30/24 08:21

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 02:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 02:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:24	SMC	EET MID

Client Sample ID: BH - 77 (5.5')

Lab Sample ID: 890-7173-37

Date Collected: 09/26/24 17:20

Matrix: Solid

Date Received: 09/30/24 08:21

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 02:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 02:55	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 77 (5.5')**Lab Sample ID: 890-7173-37****Date Collected: 09/26/24 17:20****Matrix: Solid****Date Received: 09/30/24 08:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:30	SMC	EET MID

Client Sample ID: BH - 78 (5.5')**Lab Sample ID: 890-7173-38****Date Collected: 09/25/24 17:25****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 19:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 03:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 03:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:35	SMC	EET MID

Client Sample ID: BH - 79 (5.5')**Lab Sample ID: 890-7173-39****Date Collected: 09/25/24 17:30****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/03/24 03:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92141	09/30/24 12:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/03/24 03:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 20:41	SMC	EET MID

Client Sample ID: BH - 80 (5.5')**Lab Sample ID: 890-7173-40****Date Collected: 09/25/24 17:35****Matrix: Solid****Date Received: 09/30/24 08:21**

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	92246	10/01/24 10:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/04/24 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/04/24 20:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/01/24 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92131	09/30/24 12:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92279	10/01/24 20:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92324	10/03/24 20:46	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Client Sample ID: BH - 81 (5.5')
Date Collected: 09/25/24 17:40
Date Received: 09/30/24 08:21

Lab Sample ID: 890-7173-41
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	92247	10/01/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/02/24 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/02/24 00:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/01/24 20:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92131	09/30/24 12:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92279	10/01/24 20:14	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 21:02	SMC	EET MID

Client Sample ID: BH - 82 (5.5')
Date Collected: 09/25/24 17:45
Date Received: 09/30/24 08:21

Lab Sample ID: 890-7173-42
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	92247	10/01/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/02/24 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92377	10/02/24 00:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			92410	10/02/24 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92140	09/30/24 12:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92308	10/02/24 10:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92294	10/01/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92324	10/03/24 21:08	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
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: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
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: Eurofins System Processes
Project/Site: MLMU #204

Job ID: 890-7173-1
SDG: LEA COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7173-1	SW - 33	Solid	09/25/24 15:00	09/30/24 08:21
890-7173-2	SW - 34	Solid	09/25/24 15:05	09/30/24 08:21
890-7173-3	SW - 37	Solid	09/25/24 15:08	09/30/24 08:21
890-7173-4	SW - 38	Solid	09/25/24 15:10	09/30/24 08:21
890-7173-5	SW - 39	Solid	09/25/24 15:13	09/30/24 08:21
890-7173-6	SW - 40	Solid	09/25/24 15:15	09/30/24 08:21
890-7173-7	SW - 41	Solid	09/25/24 15:20	09/30/24 08:21
890-7173-8	SW - 42	Solid	09/25/24 15:25	09/30/24 08:21
890-7173-9	SW - 43	Solid	09/25/24 15:30	09/30/24 08:21
890-7173-10	SW - 44	Solid	09/25/24 15:35	09/30/24 08:21
890-7173-11	SW - 45	Solid	09/25/24 15:40	09/30/24 08:21
890-7173-12	BH - 53 (5.5')	Solid	09/26/24 09:50	09/30/24 08:21
890-7173-13	BH - 54 (5.5')	Solid	09/25/24 15:45	09/30/24 08:21
890-7173-14	BH - 55 (5.5')	Solid	09/25/24 15:50	09/30/24 08:21
890-7173-15	BH - 56 (5.5')	Solid	09/25/24 15:55	09/30/24 08:21
890-7173-16	BH - 57 (5.5')	Solid	09/25/24 16:00	09/30/24 08:21
890-7173-17	BH - 58 (5.5')	Solid	09/25/24 16:05	09/30/24 08:21
890-7173-18	BH - 59 (5.5')	Solid	09/25/24 16:10	09/30/24 08:21
890-7173-19	BH - 60 (5.5')	Solid	09/26/24 09:55	09/30/24 08:21
890-7173-20	BH - 61 (5.5')	Solid	09/26/24 10:00	09/30/24 08:21
890-7173-21	BH - 62 (5.5')	Solid	09/26/24 10:05	09/30/24 08:21
890-7173-22	BH - 63 (5.5')	Solid	09/25/24 16:15	09/30/24 08:21
890-7173-23	BH - 64 (5.5')	Solid	09/26/24 10:10	09/30/24 08:21
890-7173-24	BH - 65 (5.5')	Solid	09/26/24 10:20	09/30/24 08:21
890-7173-25	BH - 66 (5.5')	Solid	09/26/24 10:25	09/30/24 08:21
890-7173-26	BH - 67 (5.5')	Solid	09/25/24 16:30	09/30/24 08:21
890-7173-27	BH - 68 (5.5')	Solid	09/25/24 16:35	09/30/24 08:21
890-7173-28	BH - 69 (5.5')	Solid	09/25/24 16:40	09/30/24 08:21
890-7173-29	BH - 70 (5.5')	Solid	09/26/24 10:35	09/30/24 08:21
890-7173-30	BH - 71 (5.5')	Solid	09/25/24 16:45	09/30/24 08:21
890-7173-31	BH - 71 (5.5')	Solid	09/25/24 16:50	09/30/24 08:21
890-7173-32	BH - 72 (5.5')	Solid	09/25/24 16:55	09/30/24 08:21
890-7173-33	BH - 73 (5.5')	Solid	09/26/24 17:00	09/30/24 08:21
890-7173-34	BH - 74 (5.5')	Solid	09/25/24 17:05	09/30/24 08:21
890-7173-35	BH - 75 (5.5')	Solid	09/25/24 17:10	09/30/24 08:21
890-7173-36	BH - 76 (5.5')	Solid	09/25/24 17:15	09/30/24 08:21
890-7173-37	BH - 77 (5.5')	Solid	09/26/24 17:20	09/30/24 08:21
890-7173-38	BH - 78 (5.5')	Solid	09/25/24 17:25	09/30/24 08:21
890-7173-39	BH - 79 (5.5')	Solid	09/25/24 17:30	09/30/24 08:21
890-7173-40	BH - 80 (5.5')	Solid	09/25/24 17:35	09/30/24 08:21
890-7173-41	BH - 81 (5.5')	Solid	09/25/24 17:40	09/30/24 08:21
890-7173-42	BH - 82 (5.5')	Solid	09/25/24 17:45	09/30/24 08:21

Analysis Request of Chain of Custody Record

Page 1 of 1

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

890-7173 Chain of Custody

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	432-741-5813	Brittany.long@tetrattech.com
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8021B	TPH TX1005 (Ext to C	TPH 8015M (GRO -	PAH 8270C	Total Metals Ag As Ba	TCLP Metals Ag As Ba	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / (	GC/MS Semi. Vol. 82	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride	Sulfate	General Water Chem	Anion/Cation Balanc																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: 9/30 Time: 8:21

Received by: _____ Date: _____ Time: _____

LAB USE ONLY

Sample Temperature

T.M.A.T
-0.2
41.0
3.8

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

10/7/2024
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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
Project Name:	MLMU #204	432-741-5813	Brittany.long@tetrattech.com
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B / TPH TX1005 (Ext to TPH 8015M (GRO - PAH 8270C	Total Metals Ag As B	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / GC/MS Semi. Vol. 8270C	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	General Water Chem	Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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REMARKS:	Standard TAT
☐ RUSH: Same Day 24 hr 48 hr 72 hr	
☐ Rush Charges Authorized	
☐ Special Report Limits or TRRP Report	
Sample Temperature	7.2 mo 7 -0.2 4.4 3.8

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 3 of 3



Tetra Tech, Inc.

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

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	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		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTE/TPH TX1005 (Ext to TPH 8015M (GRO - PAH 8270C	Total Metals Ag As B	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / GC/MS Semi. Vol. 8260B / 608	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	General Water Chem	Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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<i>Jorge Fernandez</i>	9-30-24		
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Relinquished by:	Date:	Time:	

Received by:	Date:	Time:	8:21
<i>Jorge Fernandez</i>	9/30		
Received by:	Date:	Time:	

LAB USE ONLY	REMARKS: Standard TAT
Sample Temperature T _{max} 007 -0.2 4.0 3.8	☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Client Name: JR Oil
Project Name: MLMU #204
Project Location: Lea County, NM
Invoice to: ATTN:Rex Tippy
Receiving Laboratory: Eurofins
Comments: Jorge.fernandezvelo@tetrattech.com

Site Manager: Brittany Long
432-741-5813
Brittany.long@tetrattech.com
Project #:
Sampler Signature: Jorge Fernandez

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B / TPH TX1005 (Ext to TPH 8015M (GRO - PAH 8270C	Total Metals Ag As B Cd Cr Pb Se Hg	TCLP Metals Ag As B Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate	General Water Chem	Anion/Cation Balance				Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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LAB USE ONLY

Sample Temperature: 7.000
-0.2
4.0
3.8

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
(Circle or Specify Method No.)

Released to Imaging: 8/15/2025 8:15:20 AM

REMARKS:	Standard TAT
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☐ **RUSH:** Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Login Sample Receipt Checklist

Client: Eurofins System Processes

Job Number: 890-7173-1

SDG Number: LEA COUNTY

Login Number: 7173

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: Eurofins System Processes

Job Number: 890-7173-1

SDG Number: LEA COUNTY

Login Number: 7173

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 10/01/24 09:30 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	
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There are no discrepancies between the containers received and the COC.	True	
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Containers are not broken or leaking.	True	
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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	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/23/2024 8:14:57 AM

JOB DESCRIPTION

MLMU #204
LEA COUNTY

JOB NUMBER

890-7270-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

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
10/23/2024 8:14:57 AM

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

Client: Tetra Tech Inc
Project/Site: MLMU #204

Laboratory Job ID: 890-7270-1
SDG: LEA COUNTY

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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 #204

Job ID: 890-7270-1

Job ID: 890-7270-1

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Job Narrative
890-7270-1

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 10/18/2024 4:25 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 83 (5.5') (890-7270-1), BH - 84 (5.5') (890-7270-2), BH - 85 (5.5') (890-7270-3), BH - 86 (5.5') (890-7270-4), BH - 87 (5.5') (890-7270-5), BH - 88 (5.5') (890-7270-6), BH - 89 (5.5') (890-7270-7), BH - 90 (5.5') (890-7270-8) and BH - 891(5.5') (890-7270-9).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93752 and analytical batch 880-93803 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93752 and analytical batch 880-93803 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: BH - 83 (5.5') (890-7270-1), BH - 85 (5.5') (890-7270-3), BH - 90 (5.5') (890-7270-8), BH - 891(5.5') (890-7270-9) and (890-7269-A-21-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BH - 84 (5.5') (890-7270-2), BH - 87 (5.5') (890-7270-5), BH - 88 (5.5') (890-7270-6) and BH - 89 (5.5') (890-7270-7). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-93803 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). 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 880-93834 and analytical batch 880-93853 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: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-93834/2-A) and (880-50045-A-1-B). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH - 86 (5.5') (890-7270-4), (880-50045-A-1-C MS) and (880-50045-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for

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Case Narrative

Client: Tetra Tech Inc
Project: MLMU #204

Job ID: 890-7270-1

Job ID: 890-7270-1 (Continued) **Eurofins Carlsbad**

preparation batch 880-93834 and analytical batch 880-93853 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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

HPLC/IC

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

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 83 (5.5')

Lab Sample ID: 890-7270-1

Date Collected: 10/18/24 09:00

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 13:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 13:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 13:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/21/24 09:11	10/21/24 13:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 13:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/21/24 09:11	10/21/24 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/21/24 09:11	10/21/24 13:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/21/24 09:11	10/21/24 13:42	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			10/21/24 13:42	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			10/21/24 18:55	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		10/21/24 08:04	10/21/24 18:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 18:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	10/21/24 08:04	10/21/24 18:55	1
o-Terphenyl	126		70 - 130	10/21/24 08:04	10/21/24 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			10/22/24 19:44	1

Client Sample ID: BH - 84 (5.5')

Lab Sample ID: 890-7270-2

Date Collected: 10/18/24 09:10

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 14:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 14:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/21/24 09:11	10/21/24 14:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/21/24 09:11	10/21/24 14:03	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 84 (5.5')

Lab Sample ID: 890-7270-2

Date Collected: 10/18/24 09:10

Matrix: Solid

Date Received: 10/18/24 16:25

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			10/21/24 14:03	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			10/21/24 19:12	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	<49.7	U	49.7		mg/Kg		10/21/24 08:04	10/21/24 19:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/21/24 08:04	10/21/24 19:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/24 08:04	10/21/24 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				10/21/24 08:04	10/21/24 19:12	1
o-Terphenyl	131	S1+	70 - 130				10/21/24 08:04	10/21/24 19:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.5		10.0		mg/Kg			10/22/24 19:51	1

Client Sample ID: BH - 85 (5.5')

Lab Sample ID: 890-7270-3

Date Collected: 10/18/24 09:15

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 14:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 14:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 14:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/21/24 09:11	10/21/24 14:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/21/24 09:11	10/21/24 14:28	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			10/21/24 14:28	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			10/21/24 19:28	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		10/21/24 08:04	10/21/24 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/24 08:04	10/21/24 19:28	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 85 (5.5')

Lab Sample ID: 890-7270-3

Date Collected: 10/18/24 09:15

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 08:04	10/21/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				10/21/24 08:04	10/21/24 19:28	1
o-Terphenyl	130		70 - 130				10/21/24 08:04	10/21/24 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.3		9.94		mg/Kg			10/22/24 20:12	1

Client Sample ID: BH - 86 (5.5')

Lab Sample ID: 890-7270-4

Date Collected: 10/18/24 09:20

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/21/24 09:11	10/21/24 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/21/24 09:11	10/21/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/21/24 09:11	10/21/24 14:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/21/24 09:11	10/21/24 14:50	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			10/21/24 14:50	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			10/22/24 16:26	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		10/22/24 09:13	10/22/24 16:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 16:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/24 09:13	10/22/24 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/22/24 09:13	10/22/24 16:26	1
o-Terphenyl	107		70 - 130				10/22/24 09:13	10/22/24 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		10.0		mg/Kg			10/22/24 20:19	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 87 (5.5')

Lab Sample ID: 890-7270-5

Date Collected: 10/18/24 09:25

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 15:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/21/24 09:11	10/21/24 15:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/21/24 09:11	10/21/24 15:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/21/24 09:11	10/21/24 15:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/21/24 09:11	10/21/24 15:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/21/24 09:11	10/21/24 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/21/24 09:11	10/21/24 15:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/21/24 09:11	10/21/24 15:10	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			10/21/24 15:10	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			10/21/24 20:01	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		10/21/24 08:04	10/21/24 20:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 20:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	10/21/24 08:04	10/21/24 20:01	1
o-Terphenyl	133	S1+	70 - 130	10/21/24 08:04	10/21/24 20:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			10/22/24 20:26	1

Client Sample ID: BH - 88 (5.5')

Lab Sample ID: 890-7270-6

Date Collected: 10/18/24 09:30

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 15:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 15:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/21/24 09:11	10/21/24 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 15:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/21/24 09:11	10/21/24 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/21/24 09:11	10/21/24 15:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/21/24 09:11	10/21/24 15:31	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 88 (5.5')

Lab Sample ID: 890-7270-6

Date Collected: 10/18/24 09:30

Matrix: Solid

Date Received: 10/18/24 16:25

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			10/21/24 15:31	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			10/21/24 20:17	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		10/21/24 08:04	10/21/24 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/24 08:04	10/21/24 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/24 08:04	10/21/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				10/21/24 08:04	10/21/24 20:17	1
o-Terphenyl	140	S1+	70 - 130				10/21/24 08:04	10/21/24 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			10/22/24 20:32	1

Client Sample ID: BH - 89 (5.5')

Lab Sample ID: 890-7270-7

Date Collected: 10/18/24 09:40

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 17:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 17:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/21/24 09:11	10/21/24 17:05	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/21/24 09:11	10/21/24 17:05	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			10/21/24 17:05	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			10/21/24 20:33	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		10/21/24 08:04	10/21/24 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/24 08:04	10/21/24 20:33	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 89 (5.5')

Lab Sample ID: 890-7270-7

Date Collected: 10/18/24 09:40

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 08:04	10/21/24 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	185	S1+	70 - 130				10/21/24 08:04	10/21/24 20:33	1
o-Terphenyl	167	S1+	70 - 130				10/21/24 08:04	10/21/24 20:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/22/24 20:39	1

Client Sample ID: BH - 90 (5.5')

Lab Sample ID: 890-7270-8

Date Collected: 10/18/24 09:45

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 17:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 17:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/21/24 09:11	10/21/24 17:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/21/24 09:11	10/21/24 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/21/24 09:11	10/21/24 17:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/21/24 09:11	10/21/24 17:26	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			10/21/24 17:26	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			10/21/24 20:49	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		10/21/24 08:04	10/21/24 20:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 20:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				10/21/24 08:04	10/21/24 20:49	1
o-Terphenyl	125		70 - 130				10/21/24 08:04	10/21/24 20:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/22/24 20:46	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 891(5.5')

Lab Sample ID: 890-7270-9

Date Collected: 10/18/24 09:50

Matrix: Solid

Date Received: 10/18/24 16:25

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		10/21/24 09:11	10/21/24 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/21/24 09:11	10/21/24 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 17:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/21/24 09:11	10/21/24 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/21/24 09:11	10/21/24 17:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/21/24 09:11	10/21/24 17:46	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			10/21/24 17:46	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			10/21/24 21:22	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		10/21/24 08:04	10/21/24 21:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 21:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/24 08:04	10/21/24 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	10/21/24 08:04	10/21/24 21:22	1
o-Terphenyl	122		70 - 130	10/21/24 08:04	10/21/24 21:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			10/22/24 20:53	1

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
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)
880-49984-A-1-B MS	Matrix Spike	107	101
880-49984-A-1-C MSD	Matrix Spike Duplicate	107	102
890-7270-1	BH - 83 (5.5')	101	100
890-7270-2	BH - 84 (5.5')	101	100
890-7270-3	BH - 85 (5.5')	99	95
890-7270-4	BH - 86 (5.5')	105	100
890-7270-5	BH - 87 (5.5')	100	101
890-7270-6	BH - 88 (5.5')	99	100
890-7270-7	BH - 89 (5.5')	102	100
890-7270-8	BH - 90 (5.5')	100	100
890-7270-9	BH - 891(5.5')	103	101
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (70-130)
LCS 880-93762/1-A	Lab Control Sample	109	106
LCSD 880-93762/2-A	Lab Control Sample Dup	107	103
MB 880-93762/5-A	Method Blank	98	96
Surrogate Legend			
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)
880-50045-A-1-C MS	Matrix Spike	142 S1+	127
880-50045-A-1-D MSD	Matrix Spike Duplicate	146 S1+	128
890-7269-A-21-B MS	Matrix Spike	126	120
890-7269-A-21-C MSD	Matrix Spike Duplicate	128	122
890-7270-1	BH - 83 (5.5')	136 S1+	126
890-7270-2	BH - 84 (5.5')	140 S1+	131 S1+
890-7270-3	BH - 85 (5.5')	140 S1+	130
890-7270-4	BH - 86 (5.5')	133 S1+	107
890-7270-5	BH - 87 (5.5')	147 S1+	133 S1+
890-7270-6	BH - 88 (5.5')	154 S1+	140 S1+
890-7270-7	BH - 89 (5.5')	185 S1+	167 S1+
890-7270-8	BH - 90 (5.5')	138 S1+	125
890-7270-9	BH - 891(5.5')	136 S1+	122
LCS 880-93752/2-A	Lab Control Sample	126	124
LCS 880-93834/2-A	Lab Control Sample	191 S1+	173 S1+

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
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)
LCSD 880-93752/3-A	Lab Control Sample Dup	126	125
LCSD 880-93834/3-A	Lab Control Sample Dup	123	111
MB 880-93752/1-A	Method Blank	114	105
MB 880-93834/1-A	Method Blank	100	82
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93762/5-A

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/21/24 09:11	10/21/24 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/24 09:11	10/21/24 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/21/24 09:11	10/21/24 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/21/24 09:11	10/21/24 11:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/21/24 09:11	10/21/24 11:58	1

Lab Sample ID: LCS 880-93762/1-A

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1015		mg/Kg		101	70 - 130
Toluene	0.100	0.09928		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2022		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1113		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-93762/2-A

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09982		mg/Kg		100	70 - 130	2	35
Toluene	0.100	0.09781		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1983		mg/Kg		99	70 - 130	2	35
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-49984-A-1-B MS

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09385		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.100	0.09215		mg/Kg		92	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

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

Lab Sample ID: 880-49984-A-1-B MS

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09979		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1849		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-49984-A-1-C MSD

Matrix: Solid

Analysis Batch: 93757

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09258		mg/Kg		93	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09034		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.09919		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1841		mg/Kg		92	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.1020		mg/Kg		102	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-93752/1-A

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93752

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		10/21/24 08:04	10/21/24 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/24 08:04	10/21/24 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/24 08:04	10/21/24 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/21/24 08:04	10/21/24 11:04	1
o-Terphenyl	105		70 - 130	10/21/24 08:04	10/21/24 11:04	1

Lab Sample ID: LCS 880-93752/2-A

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	868.3		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	773.6		mg/Kg		77	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

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

Lab Sample ID: LCS 880-93752/2-A

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93752

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-93752/3-A

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	897.9		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	788.1		mg/Kg		79	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-7269-A-21-B MS

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93752

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	999	740.1		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	731.8		mg/Kg		72	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-7269-A-21-C MSD

Matrix: Solid

Analysis Batch: 93803

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93752

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	999	716.7		mg/Kg		72	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	752.6		mg/Kg		74	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	122		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

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

Lab Sample ID: MB 880-93834/1-A

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93834

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		10/22/24 09:13	10/22/24 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/22/24 09:13	10/22/24 10:38	1
o-Terphenyl	82		70 - 130				10/22/24 09:13	10/22/24 10:38	1

Lab Sample ID: LCS 880-93834/2-A

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1395	*+	mg/Kg		139	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1136		mg/Kg		114	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	191	S1+	70 - 130				
o-Terphenyl	173	S1+	70 - 130				

Lab Sample ID: LCSD 880-93834/3-A

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	904.8	*1	mg/Kg		90	70 - 130	43	20
Diesel Range Organics (Over C10-C28)	1000	731.2	*1	mg/Kg		73	70 - 130	43	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: 880-50045-A-1-C MS

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93834

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 ** *1	993	948.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	768.6		mg/Kg		77	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

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

Lab Sample ID: 880-50045-A-1-C MS

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93834

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 880-50045-A-1-D MSD

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93834

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 ** *1	993	976.3		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	779.1		mg/Kg		78	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	128		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93851/1-A

Matrix: Solid

Analysis Batch: 93857

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			10/22/24 17:27	1

Lab Sample ID: LCS 880-93851/2-A

Matrix: Solid

Analysis Batch: 93857

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-93851/3-A

Matrix: Solid

Analysis Batch: 93857

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	244.2		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 890-7269-A-21-F MS

Matrix: Solid

Analysis Batch: 93857

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.5		248	258.1		mg/Kg		99	90 - 110

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7269-A-21-G MSD
Matrix: Solid
Analysis Batch: 93857

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.5		248	256.7		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 93757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	8021B	93762
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	8021B	93762
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	8021B	93762
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	8021B	93762
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	8021B	93762
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	8021B	93762
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	8021B	93762
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	8021B	93762
890-7270-9	BH - 891(5.5')	Total/NA	Solid	8021B	93762
MB 880-93762/5-A	Method Blank	Total/NA	Solid	8021B	93762
LCS 880-93762/1-A	Lab Control Sample	Total/NA	Solid	8021B	93762
LCSD 880-93762/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93762
880-49984-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	93762
880-49984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93762

Prep Batch: 93762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	5035	
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	5035	
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	5035	
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	5035	
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	5035	
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	5035	
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	5035	
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	5035	
890-7270-9	BH - 891(5.5')	Total/NA	Solid	5035	
MB 880-93762/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93762/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93762/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49984-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-49984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	Total BTEX	
890-7270-9	BH - 891(5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Prep Batch: 93752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	8015NM Prep	
890-7270-9	BH - 891(5.5')	Total/NA	Solid	8015NM Prep	
MB 880-93752/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93752/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7269-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7269-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	8015B NM	93752
890-7270-9	BH - 891(5.5')	Total/NA	Solid	8015B NM	93752
MB 880-93752/1-A	Method Blank	Total/NA	Solid	8015B NM	93752
LCS 880-93752/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93752
LCSD 880-93752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93752
890-7269-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	93752
890-7269-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93752

Prep Batch: 93834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50045-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	8015B NM	93834
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015B NM	93834
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93834
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93834
880-50045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	93834
880-50045-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93834

Analysis Batch: 93856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Total/NA	Solid	8015 NM	
890-7270-2	BH - 84 (5.5')	Total/NA	Solid	8015 NM	
890-7270-3	BH - 85 (5.5')	Total/NA	Solid	8015 NM	
890-7270-4	BH - 86 (5.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

GC Semi VOA (Continued)

Analysis Batch: 93856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-5	BH - 87 (5.5')	Total/NA	Solid	8015 NM	
890-7270-6	BH - 88 (5.5')	Total/NA	Solid	8015 NM	
890-7270-7	BH - 89 (5.5')	Total/NA	Solid	8015 NM	
890-7270-8	BH - 90 (5.5')	Total/NA	Solid	8015 NM	
890-7270-9	BH - 891(5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Soluble	Solid	DI Leach	
890-7270-2	BH - 84 (5.5')	Soluble	Solid	DI Leach	
890-7270-3	BH - 85 (5.5')	Soluble	Solid	DI Leach	
890-7270-4	BH - 86 (5.5')	Soluble	Solid	DI Leach	
890-7270-5	BH - 87 (5.5')	Soluble	Solid	DI Leach	
890-7270-6	BH - 88 (5.5')	Soluble	Solid	DI Leach	
890-7270-7	BH - 89 (5.5')	Soluble	Solid	DI Leach	
890-7270-8	BH - 90 (5.5')	Soluble	Solid	DI Leach	
890-7270-9	BH - 891(5.5')	Soluble	Solid	DI Leach	
MB 880-93851/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93851/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93851/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7269-A-21-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7269-A-21-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7270-1	BH - 83 (5.5')	Soluble	Solid	300.0	93851
890-7270-2	BH - 84 (5.5')	Soluble	Solid	300.0	93851
890-7270-3	BH - 85 (5.5')	Soluble	Solid	300.0	93851
890-7270-4	BH - 86 (5.5')	Soluble	Solid	300.0	93851
890-7270-5	BH - 87 (5.5')	Soluble	Solid	300.0	93851
890-7270-6	BH - 88 (5.5')	Soluble	Solid	300.0	93851
890-7270-7	BH - 89 (5.5')	Soluble	Solid	300.0	93851
890-7270-8	BH - 90 (5.5')	Soluble	Solid	300.0	93851
890-7270-9	BH - 891(5.5')	Soluble	Solid	300.0	93851
MB 880-93851/1-A	Method Blank	Soluble	Solid	300.0	93851
LCS 880-93851/2-A	Lab Control Sample	Soluble	Solid	300.0	93851
LCSD 880-93851/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93851
890-7269-A-21-F MS	Matrix Spike	Soluble	Solid	300.0	93851
890-7269-A-21-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93851

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 83 (5.5')

Lab Sample ID: 890-7270-1

Date Collected: 10/18/24 09:00

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 18:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 18:55	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 19:44	CH	EET MID

Client Sample ID: BH - 84 (5.5')

Lab Sample ID: 890-7270-2

Date Collected: 10/18/24 09:10

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 19:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 19:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 19:51	CH	EET MID

Client Sample ID: BH - 85 (5.5')

Lab Sample ID: 890-7270-3

Date Collected: 10/18/24 09:15

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 14:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 19:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 19:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:12	CH	EET MID

Client Sample ID: BH - 86 (5.5')

Lab Sample ID: 890-7270-4

Date Collected: 10/18/24 09:20

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 14:50	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 86 (5.5')**Lab Sample ID: 890-7270-4****Date Collected: 10/18/24 09:20****Matrix: Solid****Date Received: 10/18/24 16:25**

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			93856	10/22/24 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 16:26	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:19	CH	EET MID

Client Sample ID: BH - 87 (5.5')**Lab Sample ID: 890-7270-5****Date Collected: 10/18/24 09:25****Matrix: Solid****Date Received: 10/18/24 16:25**

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 15:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 20:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 20:01	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:26	CH	EET MID

Client Sample ID: BH - 88 (5.5')**Lab Sample ID: 890-7270-6****Date Collected: 10/18/24 09:30****Matrix: Solid****Date Received: 10/18/24 16:25**

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 20:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 20:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:32	CH	EET MID

Client Sample ID: BH - 89 (5.5')**Lab Sample ID: 890-7270-7****Date Collected: 10/18/24 09:40****Matrix: Solid****Date Received: 10/18/24 16:25**

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 20:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 20:33	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Client Sample ID: BH - 89 (5.5')

Lab Sample ID: 890-7270-7

Date Collected: 10/18/24 09:40

Matrix: Solid

Date Received: 10/18/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:39	CH	EET MID

Client Sample ID: BH - 90 (5.5')

Lab Sample ID: 890-7270-8

Date Collected: 10/18/24 09:45

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 20:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 20:49	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:46	CH	EET MID

Client Sample ID: BH - 891(5.5')

Lab Sample ID: 890-7270-9

Date Collected: 10/18/24 09:50

Matrix: Solid

Date Received: 10/18/24 16:25

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	93762	10/21/24 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93757	10/21/24 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93843	10/21/24 17:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93856	10/21/24 21:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93752	10/21/24 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93803	10/21/24 21:22	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	93851	10/22/24 10:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93857	10/22/24 20:53	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7270-1
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 #204

Job ID: 890-7270-1
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 #204

Job ID: 890-7270-1
SDG: LEA COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7270-1	BH - 83 (5.5')	Solid	10/18/24 09:00	10/18/24 16:25
890-7270-2	BH - 84 (5.5')	Solid	10/18/24 09:10	10/18/24 16:25
890-7270-3	BH - 85 (5.5')	Solid	10/18/24 09:15	10/18/24 16:25
890-7270-4	BH - 86 (5.5')	Solid	10/18/24 09:20	10/18/24 16:25
890-7270-5	BH - 87 (5.5')	Solid	10/18/24 09:25	10/18/24 16:25
890-7270-6	BH - 88 (5.5')	Solid	10/18/24 09:30	10/18/24 16:25
890-7270-7	BH - 89 (5.5')	Solid	10/18/24 09:40	10/18/24 16:25
890-7270-8	BH - 90 (5.5')	Solid	10/18/24 09:45	10/18/24 16:25
890-7270-9	BH - 891(5.5')	Solid	10/18/24 09:50	10/18/24 16:25

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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

890-7270 Chain of Custody

Page 1 of 1

10/23/2024

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	432-741-5813 Brittany.long@tetrattech.com	
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B (Ext to TPH TX1005)	ORO - TPH 8015M	ORO - TPH 8015M	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	General Water Chemistry	Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Relinquished by: *[Signature]* Date: Time: 1625
Relinquished by: *[Signature]* Date: Time: 10-18-24
Relinquished by: Date: Time:

Received by: *[Signature]* Date: Time: 10/18 1625
Received by: Date: Time:

LAB USE ONLY

Sample Temperature

T.N.M.C.
3.2
3.0**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

Page 31 of 33

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-7270-1

SDG Number: LEA COUNTY

Login Number: 7270

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: 890-7270-1
SDG Number: LEA COUNTY

Login Number: 7270
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 10/21/24 09:23 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/30/2024 1:58:42 PM

JOB DESCRIPTION

MLMU #204
LEA COUNTY

JOB NUMBER

890-7484-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



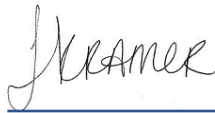
Eurofins Carlsbad

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
12/30/2024 1:58:42 PM

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

Client: Tetra Tech Inc
Project/Site: MLMU #204

Laboratory Job ID: 890-7484-1
SDG: LEA COUNTY

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 #204

Job ID: 890-7484-1

Job ID: 890-7484-1

Eurofins Carlsbad

Job Narrative 890-7484-1

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 12/18/2024 4:42 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 2.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 42 (5.5') (890-7484-1), BH - 43 (5.5') (890-7484-2), BH - 44 (5.5') (890-7484-3), BH - 45 (5.5') (890-7484-4), BH - 46 (5.5') (890-7484-5), BH - 47 (5.5') (890-7484-6), BH - 48 (5.5') (890-7484-7), BH - 49 (5.5') (890-7484-8), BH - 50 (5.5') (890-7484-9), BH - 51 (5.5') (890-7484-10) and BH - 52 (5.5') (890-7484-11).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-98848 and analytical batch 880-98903 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98848/3-A). Evidence of matrix interferences is not obvious.

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 880-98447 and analytical batch 880-98466 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.

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 42 (5.5')

Lab Sample ID: 890-7484-1

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 15:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 08:24	12/20/24 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 15:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 08:24	12/20/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/20/24 08:24	12/20/24 15:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/20/24 08:24	12/20/24 15:59	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			12/20/24 15:59	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			12/27/24 20:22	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		12/26/24 15:18	12/27/24 20:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 20:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/26/24 15:18	12/27/24 20:22	1
o-Terphenyl	113		70 - 130				12/26/24 15:18	12/27/24 20:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		10.0		mg/Kg			12/21/24 12:14	1

Client Sample ID: BH - 43 (5.5')

Lab Sample ID: 890-7484-2

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 16:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 16:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 16:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:24	12/20/24 16:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 16:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:24	12/20/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/20/24 08:24	12/20/24 16:19	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/20/24 08:24	12/20/24 16:19	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 43 (5.5')

Lab Sample ID: 890-7484-2

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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			12/20/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/27/24 21:23	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		12/26/24 15:18	12/27/24 21:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 21:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/26/24 15:18	12/27/24 21:23	1
o-Terphenyl	120		70 - 130				12/26/24 15:18	12/27/24 21:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		50.5		mg/Kg			12/21/24 12:34	5

Client Sample ID: BH - 44 (5.5')

Lab Sample ID: 890-7484-3

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 16:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 16:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/20/24 08:24	12/20/24 16:39	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/20/24 08:24	12/20/24 16:39	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			12/20/24 16:39	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			12/27/24 21:45	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		12/26/24 15:18	12/27/24 21:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 21:45	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 44 (5.5')

Lab Sample ID: 890-7484-3

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/26/24 15:18	12/27/24 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/26/24 15:18	12/27/24 21:45	1
o-Terphenyl	109		70 - 130				12/26/24 15:18	12/27/24 21:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		10.0		mg/Kg			12/21/24 12:40	1

Client Sample ID: BH - 45 (5.5')

Lab Sample ID: 890-7484-4

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 08:24	12/20/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/20/24 08:24	12/20/24 17:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/20/24 08:24	12/20/24 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/27/24 22:05	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	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 22:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/26/24 15:18	12/27/24 22:05	1
o-Terphenyl	116		70 - 130				12/26/24 15:18	12/27/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		9.96		mg/Kg			12/21/24 12:47	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 46 (5.5')

Lab Sample ID: 890-7484-5

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 08:24	12/20/24 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 08:24	12/20/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/20/24 08:24	12/20/24 17:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/20/24 08:24	12/20/24 17:20	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			12/20/24 17:20	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			12/27/24 22:25	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		12/26/24 15:18	12/27/24 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/26/24 15:18	12/27/24 22:25	1
o-Terphenyl	113		70 - 130				12/26/24 15:18	12/27/24 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.90		mg/Kg			12/21/24 12:53	1

Client Sample ID: BH - 47 (5.5')

Lab Sample ID: 890-7484-6

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 17:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/20/24 08:24	12/20/24 17:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/20/24 08:24	12/20/24 17:41	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 47 (5.5')

Lab Sample ID: 890-7484-6

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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			12/20/24 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/27/24 22:46	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		12/26/24 15:18	12/27/24 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/26/24 15:18	12/27/24 22:46	1
o-Terphenyl	107		70 - 130				12/26/24 15:18	12/27/24 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		49.9		mg/Kg			12/21/24 13:13	5

Client Sample ID: BH - 48 (5.5')

Lab Sample ID: 890-7484-7

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 18:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 18:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 18:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:24	12/20/24 18:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:24	12/20/24 18:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:24	12/20/24 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/20/24 08:24	12/20/24 18:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/20/24 08:24	12/20/24 18:01	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			12/20/24 18:01	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			12/27/24 23:07	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		12/26/24 15:18	12/27/24 23:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 23:07	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 48 (5.5')

Lab Sample ID: 890-7484-7

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/26/24 15:18	12/27/24 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/26/24 15:18	12/27/24 23:07	1
o-Terphenyl	111		70 - 130				12/26/24 15:18	12/27/24 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		10.0		mg/Kg			12/21/24 13:19	1

Client Sample ID: BH - 49 (5.5')

Lab Sample ID: 890-7484-8

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 18:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 08:24	12/20/24 18:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 08:24	12/20/24 18:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 08:24	12/20/24 18:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 08:24	12/20/24 18:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 08:24	12/20/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/20/24 08:24	12/20/24 18:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/20/24 08:24	12/20/24 18:22	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			12/20/24 18:22	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			12/27/24 23:27	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		12/26/24 15:18	12/27/24 23:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 23:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/24 15:18	12/27/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/26/24 15:18	12/27/24 23:27	1
o-Terphenyl	110		70 - 130				12/26/24 15:18	12/27/24 23:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7820		99.6		mg/Kg			12/21/24 13:26	10

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 50 (5.5')

Lab Sample ID: 890-7484-9

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 18:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 18:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 18:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/20/24 08:24	12/20/24 18:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:24	12/20/24 18:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/20/24 08:24	12/20/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/20/24 08:24	12/20/24 18:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 08:24	12/20/24 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/20/24 18:42	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			12/27/24 23:48	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	<49.8	U	49.8		mg/Kg		12/26/24 15:18	12/27/24 23:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/26/24 15:18	12/27/24 23:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/26/24 15:18	12/27/24 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	12/26/24 15:18	12/27/24 23:48	1
o-Terphenyl	110		70 - 130	12/26/24 15:18	12/27/24 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4090		49.8		mg/Kg			12/21/24 13:32	5

Client Sample ID: BH - 51 (5.5')

Lab Sample ID: 890-7484-10

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 08:24	12/20/24 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 19:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 19:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 19:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 08:24	12/20/24 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/20/24 08:24	12/20/24 19:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/24 08:24	12/20/24 19:03	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 51 (5.5')

Lab Sample ID: 890-7484-10

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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			12/20/24 19:03	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			12/28/24 00:09	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	<49.7	U	49.7		mg/Kg		12/26/24 15:18	12/28/24 00:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/26/24 15:18	12/28/24 00:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/26/24 15:18	12/28/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/26/24 15:18	12/28/24 00:09	1
o-Terphenyl	103		70 - 130				12/26/24 15:18	12/28/24 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2680		49.6		mg/Kg			12/21/24 13:39	5

Client Sample ID: BH - 52 (5.5')

Lab Sample ID: 890-7484-11

Date Collected: 12/18/24 00:00

Matrix: Solid

Date Received: 12/18/24 16:42

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		12/20/24 12:56	12/20/24 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 12:56	12/20/24 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 12:56	12/20/24 19:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 12:56	12/20/24 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 12:56	12/20/24 19:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 12:56	12/20/24 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				12/20/24 12:56	12/20/24 19:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/20/24 12:56	12/20/24 19:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/20/24 19:13	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			12/28/24 00:50	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		12/26/24 15:18	12/28/24 00:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/26/24 15:18	12/28/24 00:50	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 52 (5.5')
Date Collected: 12/18/24 00:00
Date Received: 12/18/24 16:42

Lab Sample ID: 890-7484-11
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)	<49.8	U	49.8		mg/Kg		12/26/24 15:18	12/28/24 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/26/24 15:18	12/28/24 00:50	1
o-Terphenyl	108		70 - 130				12/26/24 15:18	12/28/24 00:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147	F1	10.1		mg/Kg			12/21/24 13:45	1

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
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	DFBZ1				
		(70-130)	(70-130)				
890-7484-1	BH - 42 (5.5')	101	88				
890-7484-2	BH - 43 (5.5')	109	92				
890-7484-3	BH - 44 (5.5')	110	90				
890-7484-4	BH - 45 (5.5')	113	91				
890-7484-5	BH - 46 (5.5')	116	91				
890-7484-6	BH - 47 (5.5')	119	94				
890-7484-7	BH - 48 (5.5')	110	91				
890-7484-8	BH - 49 (5.5')	114	93				
890-7484-9	BH - 50 (5.5')	121	93				
890-7484-10	BH - 51 (5.5')	121	95				
890-7484-11	BH - 52 (5.5')	93	100				
890-7488-A-1-C MS	Matrix Spike	99	100				
890-7488-A-1-D MSD	Matrix Spike Duplicate	108	98				
890-7489-A-1-F MS	Matrix Spike	106	84				
890-7489-A-1-G MSD	Matrix Spike Duplicate	103	100				
LCS 880-98432/1-A	Lab Control Sample	101	96				
LCS 880-98435/1-A	Lab Control Sample	106	99				
LCSD 880-98432/2-A	Lab Control Sample Dup	103	99				
LCSD 880-98435/2-A	Lab Control Sample Dup	108	98				
MB 880-98432/5-A	Method Blank	112	85				
MB 880-98435/5-A	Method Blank	92	93				
Surrogate Legend							
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	OTPH1				
		(70-130)	(70-130)				
890-7484-1	BH - 42 (5.5')	96	113				
890-7484-1 MS	BH - 42 (5.5')	107	108				
890-7484-1 MSD	BH - 42 (5.5')	110	115				
890-7484-2	BH - 43 (5.5')	106	120				
890-7484-3	BH - 44 (5.5')	99	109				
890-7484-4	BH - 45 (5.5')	104	116				
890-7484-5	BH - 46 (5.5')	101	113				
890-7484-6	BH - 47 (5.5')	96	107				
890-7484-7	BH - 48 (5.5')	99	111				
890-7484-8	BH - 49 (5.5')	97	110				
890-7484-9	BH - 50 (5.5')	96	110				
890-7484-10	BH - 51 (5.5')	94	103				
890-7484-11	BH - 52 (5.5')	97	108				
LCS 880-98848/2-A	Lab Control Sample	115	122				
LCSD 880-98848/3-A	Lab Control Sample Dup	126	132 S1+				
MB 880-98848/1-A	Method Blank	126	143 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204
OTPH = o-Terphenyl

Job ID: 890-7484-1
SDG: LEA COUNTY

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98432/5-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/20/24 08:24	12/20/24 11:08	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/20/24 08:24	12/20/24 11:08	1

Lab Sample ID: LCS 880-98432/1-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2221		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-98432/2-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98432

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1182		mg/Kg		118	70 - 130	4	35
Toluene	0.100	0.1119		mg/Kg		112	70 - 130	3	35
Ethylbenzene	0.100	0.1145		mg/Kg		114	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2282		mg/Kg		114	70 - 130	3	35
o-Xylene	0.100	0.1165		mg/Kg		117	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7489-A-1-F MS

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98432

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09017		mg/Kg		91	70 - 130
Toluene	<0.00199	U	0.0996	0.1029		mg/Kg		103	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7489-A-1-F MS

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98432

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.1091		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2199		mg/Kg		110	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1112		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-7489-A-1-G MSD

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98432

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1102		mg/Kg		109	70 - 130	20	35
Toluene	<0.00199	U	0.101	0.1005		mg/Kg		100	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.1001		mg/Kg		99	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1990		mg/Kg		99	70 - 130	10	35
o-Xylene	<0.00199	U	0.101	0.1016		mg/Kg		101	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-98435/5-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/20/24 08:33	12/20/24 11:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 08:33	12/20/24 11:07	1

Lab Sample ID: LCS 880-98435/1-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1025		mg/Kg		103	70 - 130
Toluene	0.100	0.1077		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2015		mg/Kg		101	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

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

Lab Sample ID: LCS 880-98435/1-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-98435/2-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98435

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	2	35
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2041		mg/Kg		102	70 - 130	1	35
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7488-A-1-C MS

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98435

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1186		mg/Kg		119	70 - 130
Toluene	<0.00199	U	0.0996	0.1173		mg/Kg		118	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1126		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2183		mg/Kg		110	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1207		mg/Kg		121	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7488-A-1-D MSD

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98435

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1156		mg/Kg		115	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.1137		mg/Kg		113	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.1089		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2090		mg/Kg		104	70 - 130	4	35
o-Xylene	<0.00199	U	0.101	0.1154		mg/Kg		114	70 - 130	5	35

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7488-A-1-D MSD
Matrix: Solid
Analysis Batch: 98353

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 98435

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-98848/1-A
Matrix: Solid
Analysis Batch: 98903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98848

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 19:21	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 19:21	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/24 15:18	12/27/24 19:21	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	126		70 - 130				12/26/24 15:18	12/27/24 19:21	1	
o-Terphenyl	143	S1+	70 - 130				12/26/24 15:18	12/27/24 19:21	1	

Lab Sample ID: LCS 880-98848/2-A
Matrix: Solid
Analysis Batch: 98903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 98848

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1045		mg/Kg		105		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104		70 - 130		

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	115		70 - 130							
o-Terphenyl	122		70 - 130							

Lab Sample ID: LCSD 880-98848/3-A
Matrix: Solid
Analysis Batch: 98903

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 98848

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107		70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1183		mg/Kg		118		70 - 130	13	20

	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	126		70 - 130							
o-Terphenyl	132	S1+	70 - 130							

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

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

Lab Sample ID: 890-7484-1 MS

Matrix: Solid

Analysis Batch: 98903

Client Sample ID: BH - 42 (5.5')

Prep Type: Total/NA

Prep Batch: 98848

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	903.3		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	978.8		mg/Kg		98	70 - 130		
	MS %Recovery	MS Qualifier									
Surrogate											
1-Chlorooctane	107										
o-Terphenyl	108										

Lab Sample ID: 890-7484-1 MSD

Matrix: Solid

Analysis Batch: 98903

Client Sample ID: BH - 42 (5.5')

Prep Type: Total/NA

Prep Batch: 98848

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	946.3		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1021		mg/Kg		103	70 - 130	4	20
	MSD %Recovery	MSD Qualifier									
Surrogate											
1-Chlorooctane	110										
o-Terphenyl	115										

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98447/1-A

Matrix: Solid

Analysis Batch: 98466

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			12/21/24 11:55	1

Lab Sample ID: LCS 880-98447/2-A

Matrix: Solid

Analysis Batch: 98466

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	262.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-98447/3-A

Matrix: Solid

Analysis Batch: 98466

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	261.2		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7484-1 MS

Client Sample ID: BH - 42 (5.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 98466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	146		250	413.5		mg/Kg		107	90 - 110		

Lab Sample ID: 890-7484-1 MSD

Client Sample ID: BH - 42 (5.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 98466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		250	414.3		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-7484-11 MS

Client Sample ID: BH - 52 (5.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 98466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	147	F1	253	426.3	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 890-7484-11 MSD

Client Sample ID: BH - 52 (5.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 98466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	147	F1	253	426.8	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 98350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	8021B	98432
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	8021B	98432
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	8021B	98432
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	8021B	98432
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	8021B	98432
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	8021B	98432
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	8021B	98432
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	8021B	98432
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	8021B	98432
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	8021B	98432
MB 880-98432/5-A	Method Blank	Total/NA	Solid	8021B	98432
LCS 880-98432/1-A	Lab Control Sample	Total/NA	Solid	8021B	98432
LCSD 880-98432/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98432
890-7489-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	98432
890-7489-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98432

Analysis Batch: 98353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	8021B	98435
MB 880-98435/5-A	Method Blank	Total/NA	Solid	8021B	98435
LCS 880-98435/1-A	Lab Control Sample	Total/NA	Solid	8021B	98435
LCSD 880-98435/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98435
890-7488-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	98435
890-7488-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98435

Prep Batch: 98432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	5035	
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	5035	
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	5035	
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	5035	
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	5035	
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	5035	
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	5035	
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	5035	
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	5035	
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	5035	
MB 880-98432/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98432/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98432/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7489-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-7489-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 98435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	5035	
MB 880-98435/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98435/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98435/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7488-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7488-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

GC VOA

Analysis Batch: 98737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	Total BTEX	
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-98848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7484-1 MS	BH - 42 (5.5')	Total/NA	Solid	8015NM Prep	
890-7484-1 MSD	BH - 42 (5.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	8015B NM	98848
MB 880-98848/1-A	Method Blank	Total/NA	Solid	8015B NM	98848
LCS 880-98848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98848
LCSD 880-98848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98848
890-7484-1 MS	BH - 42 (5.5')	Total/NA	Solid	8015B NM	98848
890-7484-1 MSD	BH - 42 (5.5')	Total/NA	Solid	8015B NM	98848

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

GC Semi VOA

Analysis Batch: 99074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Total/NA	Solid	8015 NM	
890-7484-2	BH - 43 (5.5')	Total/NA	Solid	8015 NM	
890-7484-3	BH - 44 (5.5')	Total/NA	Solid	8015 NM	
890-7484-4	BH - 45 (5.5')	Total/NA	Solid	8015 NM	
890-7484-5	BH - 46 (5.5')	Total/NA	Solid	8015 NM	
890-7484-6	BH - 47 (5.5')	Total/NA	Solid	8015 NM	
890-7484-7	BH - 48 (5.5')	Total/NA	Solid	8015 NM	
890-7484-8	BH - 49 (5.5')	Total/NA	Solid	8015 NM	
890-7484-9	BH - 50 (5.5')	Total/NA	Solid	8015 NM	
890-7484-10	BH - 51 (5.5')	Total/NA	Solid	8015 NM	
890-7484-11	BH - 52 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Soluble	Solid	DI Leach	
890-7484-2	BH - 43 (5.5')	Soluble	Solid	DI Leach	
890-7484-3	BH - 44 (5.5')	Soluble	Solid	DI Leach	
890-7484-4	BH - 45 (5.5')	Soluble	Solid	DI Leach	
890-7484-5	BH - 46 (5.5')	Soluble	Solid	DI Leach	
890-7484-6	BH - 47 (5.5')	Soluble	Solid	DI Leach	
890-7484-7	BH - 48 (5.5')	Soluble	Solid	DI Leach	
890-7484-8	BH - 49 (5.5')	Soluble	Solid	DI Leach	
890-7484-9	BH - 50 (5.5')	Soluble	Solid	DI Leach	
890-7484-10	BH - 51 (5.5')	Soluble	Solid	DI Leach	
890-7484-11	BH - 52 (5.5')	Soluble	Solid	DI Leach	
MB 880-98447/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98447/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98447/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7484-1 MS	BH - 42 (5.5')	Soluble	Solid	DI Leach	
890-7484-1 MSD	BH - 42 (5.5')	Soluble	Solid	DI Leach	
890-7484-11 MS	BH - 52 (5.5')	Soluble	Solid	DI Leach	
890-7484-11 MSD	BH - 52 (5.5')	Soluble	Solid	DI Leach	

Analysis Batch: 98466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1	BH - 42 (5.5')	Soluble	Solid	300.0	98447
890-7484-2	BH - 43 (5.5')	Soluble	Solid	300.0	98447
890-7484-3	BH - 44 (5.5')	Soluble	Solid	300.0	98447
890-7484-4	BH - 45 (5.5')	Soluble	Solid	300.0	98447
890-7484-5	BH - 46 (5.5')	Soluble	Solid	300.0	98447
890-7484-6	BH - 47 (5.5')	Soluble	Solid	300.0	98447
890-7484-7	BH - 48 (5.5')	Soluble	Solid	300.0	98447
890-7484-8	BH - 49 (5.5')	Soluble	Solid	300.0	98447
890-7484-9	BH - 50 (5.5')	Soluble	Solid	300.0	98447
890-7484-10	BH - 51 (5.5')	Soluble	Solid	300.0	98447
890-7484-11	BH - 52 (5.5')	Soluble	Solid	300.0	98447
MB 880-98447/1-A	Method Blank	Soluble	Solid	300.0	98447
LCS 880-98447/2-A	Lab Control Sample	Soluble	Solid	300.0	98447
LCSD 880-98447/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98447

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

HPLC/IC (Continued)

Analysis Batch: 98466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7484-1 MS	BH - 42 (5.5')	Soluble	Solid	300.0	98447
890-7484-1 MSD	BH - 42 (5.5')	Soluble	Solid	300.0	98447
890-7484-11 MS	BH - 52 (5.5')	Soluble	Solid	300.0	98447
890-7484-11 MSD	BH - 52 (5.5')	Soluble	Solid	300.0	98447

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 42 (5.5')**Lab Sample ID: 890-7484-1****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 20:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 20:22	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 12:14	CH	EET MID

Client Sample ID: BH - 43 (5.5')**Lab Sample ID: 890-7484-2****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 16:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 21:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 21:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98466	12/21/24 12:34	CH	EET MID

Client Sample ID: BH - 44 (5.5')**Lab Sample ID: 890-7484-3****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 21:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 21:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 12:40	CH	EET MID

Client Sample ID: BH - 45 (5.5')**Lab Sample ID: 890-7484-4****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 17:00	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 45 (5.5')**Lab Sample ID: 890-7484-4****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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			99074	12/27/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 12:47	CH	EET MID

Client Sample ID: BH - 46 (5.5')**Lab Sample ID: 890-7484-5****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 22:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 12:53	CH	EET MID

Client Sample ID: BH - 47 (5.5')**Lab Sample ID: 890-7484-6****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 17:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 22:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98466	12/21/24 13:13	CH	EET MID

Client Sample ID: BH - 48 (5.5')**Lab Sample ID: 890-7484-7****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 18:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 23:07	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 48 (5.5')**Lab Sample ID: 890-7484-7****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 13:19	CH	EET MID

Client Sample ID: BH - 49 (5.5')**Lab Sample ID: 890-7484-8****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 23:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	98466	12/21/24 13:26	CH	EET MID

Client Sample ID: BH - 50 (5.5')**Lab Sample ID: 890-7484-9****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/27/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/27/24 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98466	12/21/24 13:32	CH	EET MID

Client Sample ID: BH - 51 (5.5')**Lab Sample ID: 890-7484-10****Date Collected: 12/18/24 00:00****Matrix: Solid****Date Received: 12/18/24 16:42**

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	98432	12/20/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 19:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/28/24 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/28/24 00:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	98466	12/21/24 13:39	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Client Sample ID: BH - 52 (5.5')
Date Collected: 12/18/24 00:00
Date Received: 12/18/24 16:42

Lab Sample ID: 890-7484-11
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			5.00 g	5 mL	98435	12/20/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98737	12/20/24 19:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			99074	12/28/24 00:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98848	12/26/24 15:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98903	12/28/24 00:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98447	12/20/24 09:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98466	12/21/24 13:45	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 #204

Job ID: 890-7484-1
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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Tetra Tech Inc
Project/Site: MLMU #204

Job ID: 890-7484-1
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 #204

Job ID: 890-7484-1
SDG: LEA COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7484-1	BH - 42 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-2	BH - 43 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-3	BH - 44 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-4	BH - 45 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-5	BH - 46 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-6	BH - 47 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-7	BH - 48 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-8	BH - 49 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-9	BH - 50 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-10	BH - 51 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42
890-7484-11	BH - 52 (5.5')	Solid	12/18/24 00:00	12/18/24 16:42

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
- 12
- 13
- 14

Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901 W Wall Street, St
Midland, Texas 797
Tel (432) 682-455
Fax (432) 682-394

890-7484 Chain of Custody

Page 1 of 2

12/30/2024

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	432-741-5813 Brittany.long@tetrattech.com	
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature: Jorge Fernandez	
Comments:	Jorge.fernandezvelo@tetrattech.com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - QRO - 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	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
X	X	X	X												X					
															X					
															X					
															X					
															X					
															X					
															X					
															X					
															X					
															X					

Relinquished by: Date: 12/18/2024 Time: 16:43

Relinquished by: Date: 12/18/2024 Time: 16:42

Relinquished by: Date: 12/18/2024 Time: 16:42

Received by: Date: 12/18/2024 Time: 16:42

Received by: Date: 12/18/2024 Time: 16:42

LAB USE
ONLY

Sample Temperature

T_{max} 7
-0.2
3.0
2.8

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

Page 34 of 37



Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU #204	432-741-5813 Brittany.long@tetrattech.com	
Project Location: (county, state)	Lea County, NM	Project #:	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	Sampler Signature:	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetrattech.com		

[illegible]

Relinquished by:	Date:	Time:	1643
Relinquished by:	Date:	Time:	1718
Relinquished by:	Date:	Time:	Received by: 12/18 1642
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE	REMARKS: <u>Standard TAT</u>
DATE	
Sample Temperature	RRUSH Same Day 24 hr 48 hr 72 hr
TN MOON -0.2	☐ Rush Charges Authorized
3.0	☐ Special Report Limits or TRRP Report
2.8	

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-7484-1

SDG Number: LEA COUNTY

Login Number: 7484

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: 890-7484-1

SDG Number: LEA COUNTY

Login Number: 7484

List Source: Eurofins Midland

List Number: 2

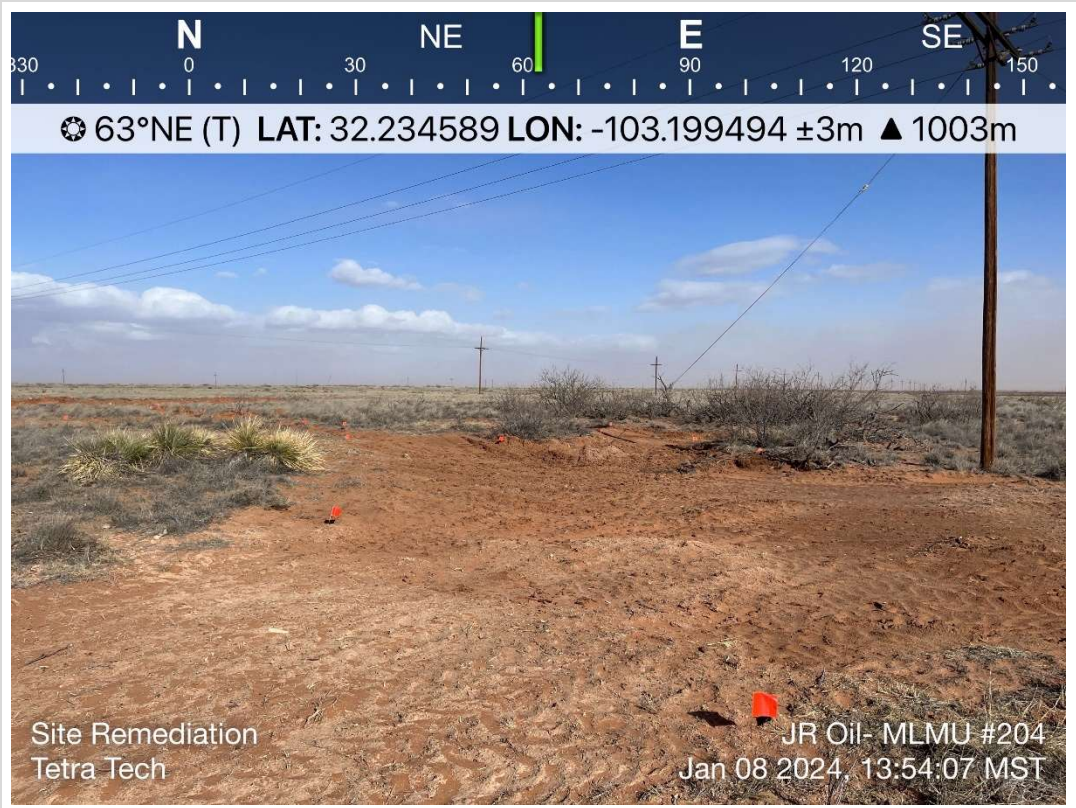
List Creation: 12/20/24 11:22 AM

Creator: Vasquez, Julisa

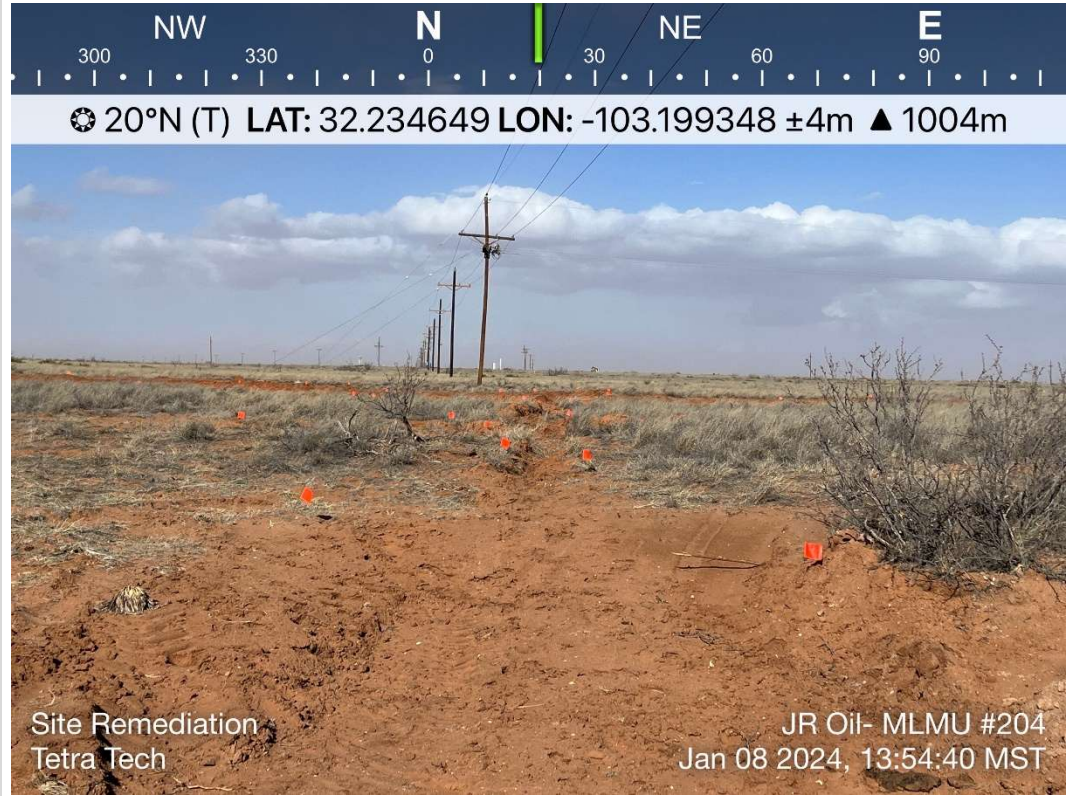
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature 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	

APPENDIX D

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View east-northeast. Release footprint after JR Oil personnel scraped the area.	1
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	1/8/2024



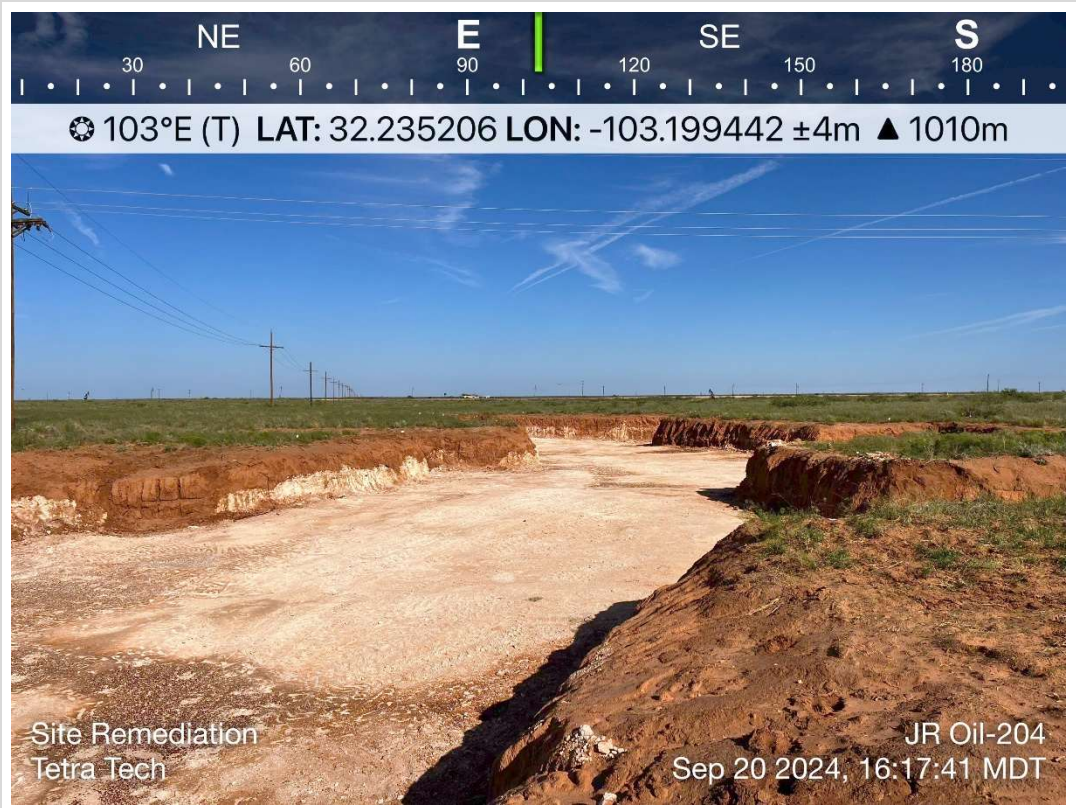
TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View north-northeast. Pin-flags along boundary of release footprint, post-scrape.	2
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	1/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View south-southwest. Section of 6-inch scape.	3
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	1/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View southeast. Pin-flags around boundary of release footprint. Section of 6-inch scape.	4
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	1/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View east. Release footprint excavated on north side of release area.	5
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View northwest. Excavation of release footprint, northwest section.	6
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



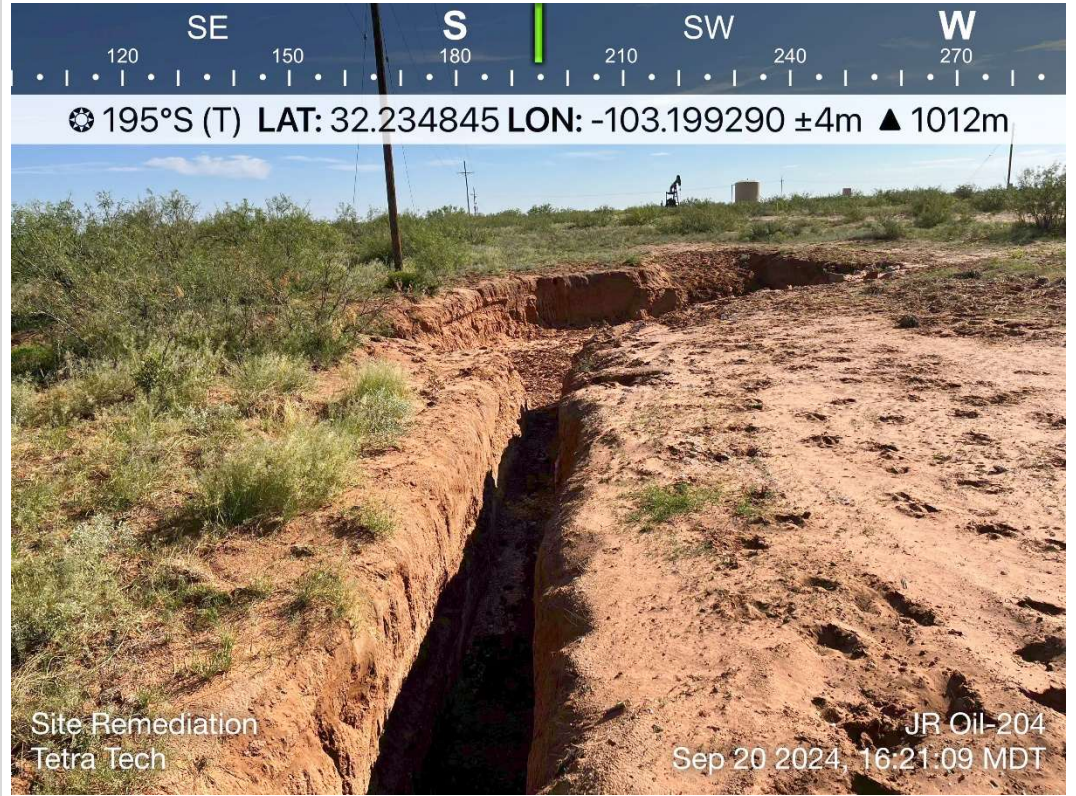
TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View northeast. Excavation of release footprint, north-central area.	7
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



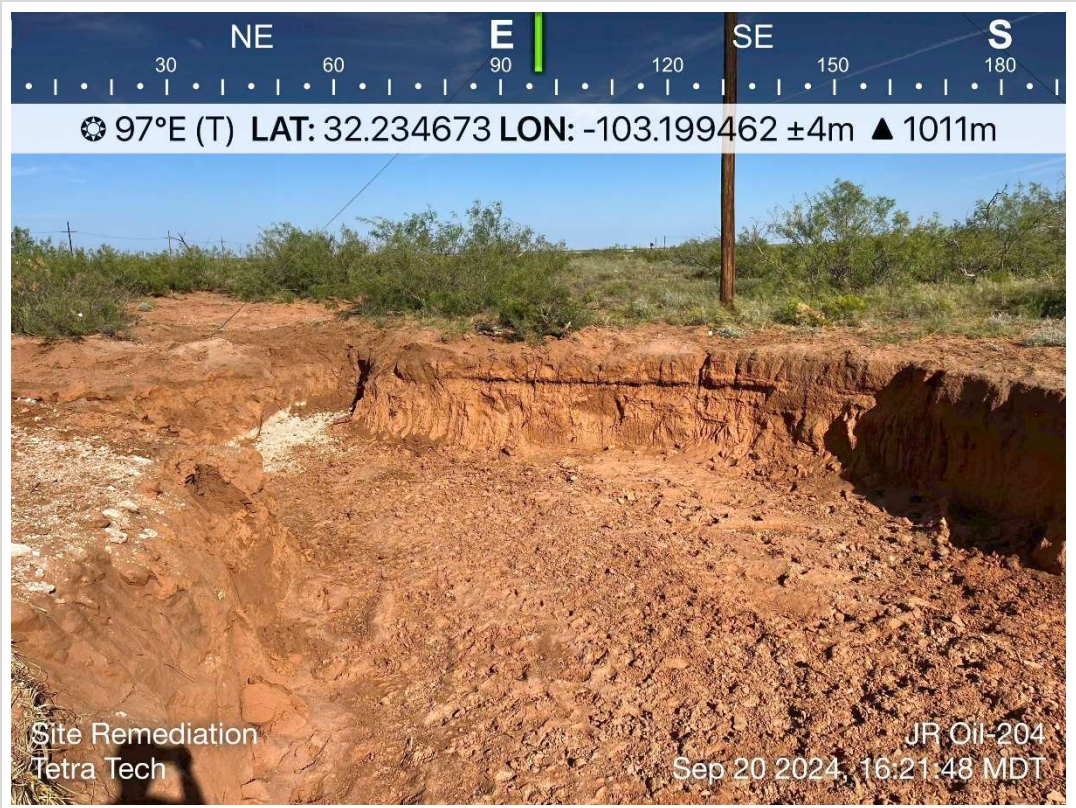
TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View northwest. Northeastern section of excavation area.	8
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View south. Narrow section of release excavated.	9
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View south. Southern section of release footprint excavated.	10
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View east. Southern-most section of excavation.	11
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	9/20/2024



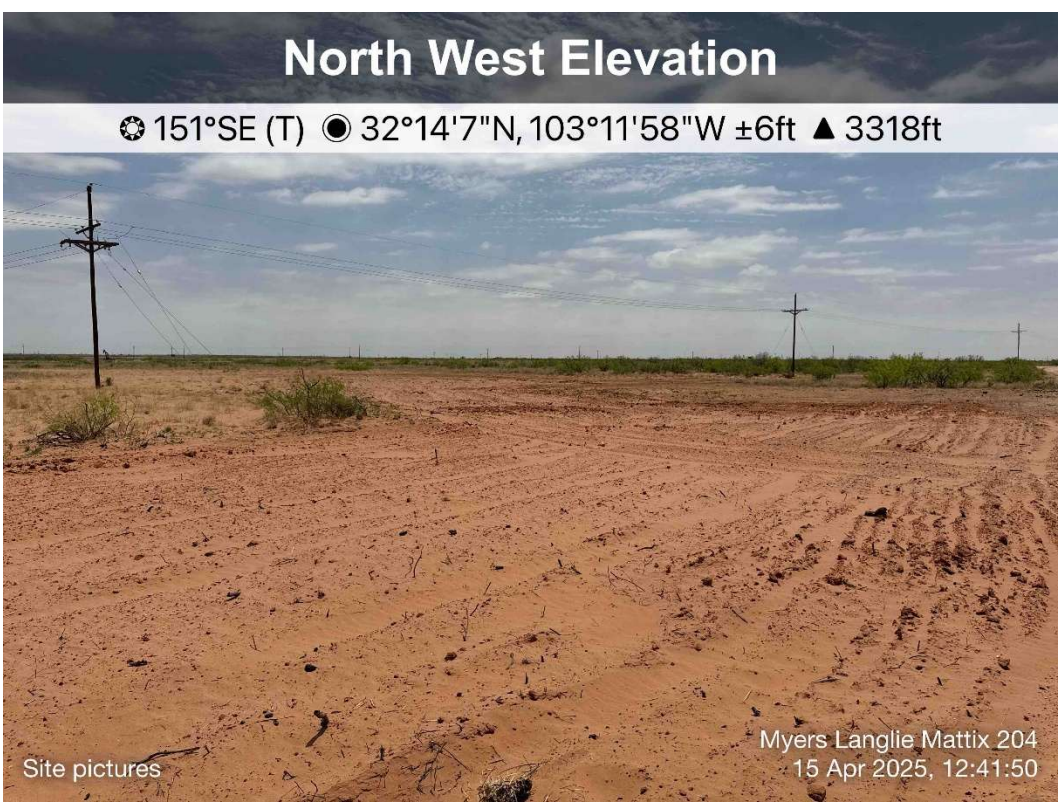
TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View north. Final excavation condition.	12
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	12/18/2024



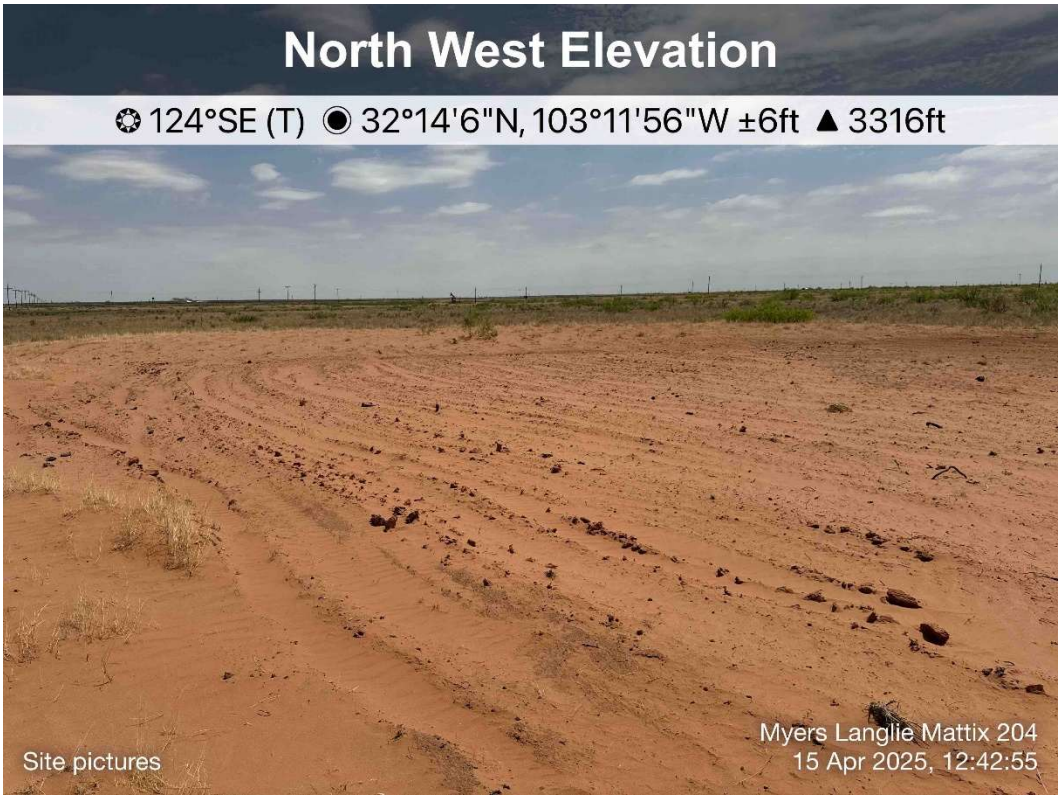
TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View north. View of final excavation conditions.	13
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	12/18/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View southeast. View of final excavation conditions in southern section.	14
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	12/18/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View northwest. Area of excavation after backfill.	15
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	4/15/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03339	DESCRIPTION	View northwest. Area of excavation after backfill.	16
	SITE NAME	JR Oil Ltd MLMU #204 Injection Flowline Release	4/15/2025

APPENDIX E

NMSLO Seed Mixture Details

SLO Seed Mix**SM Series****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

REVEGETATION 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**Sandy (S)****SANDY (S) SITES SEED MIXTURE:**

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

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

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





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**



July 8, 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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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

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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

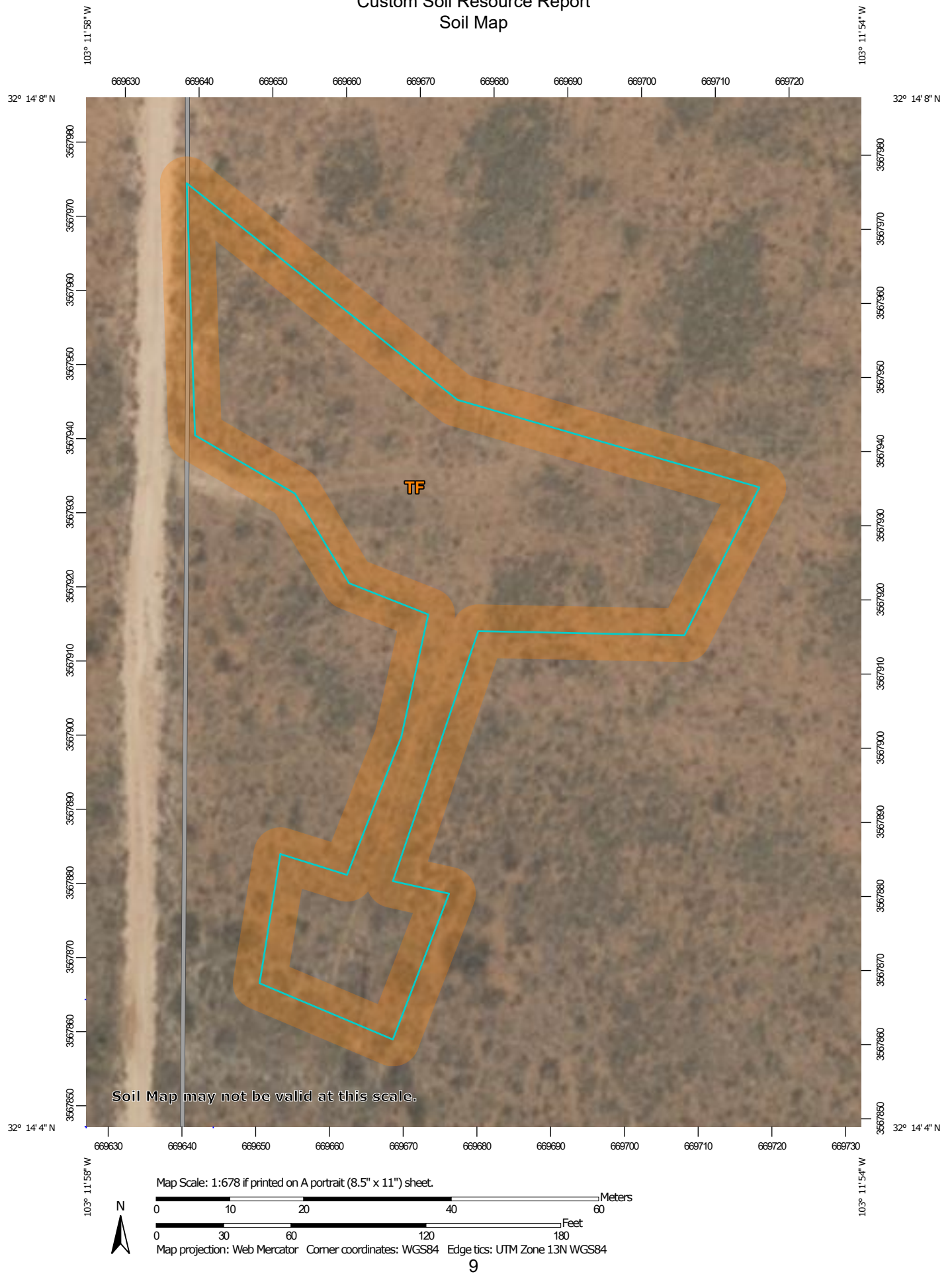
Custom Soil Resource Report

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.

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Soil Map



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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.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	0.7	100.0%
Totals for Area of Interest		0.7	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.

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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.

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Lea County, New Mexico

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw3c

Elevation: 3,280 to 4,460 feet

Mean annual precipitation: 10 to 16 inches

Mean annual air temperature: 59 to 64 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 70 percent

Minor components: 30 percent

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

Description of Tonuco

Setting

Landform: Ridges, plains

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits

Typical profile

A - 0 to 12 inches: loamy fine sand

Bw - 12 to 17 inches: loamy sand

Bkkm - 17 to 39 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 12 to 20 inches to petrocalcic

Drainage class: Excessively drained

Runoff class: Very 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: 2 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: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R077DY048TX - Shallow 12-17" PZ

Hydric soil rating: No

Custom Soil Resource Report

Minor Components**Simona**

Percent of map unit: 15 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Berino

Percent of map unit: 10 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 5 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

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United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

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

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

QUESTIONS

Action 488865

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332543477
Incident Name	NAPP2332543477 MYERS LANGLIE MATTIX UNIT INJECTION SYSTEM @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Myers Langlie Mattix Unit Injection System
Date Release Discovered	11/20/2023
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Injection Produced Water Released: 100 BBL Recovered: 2 BBL Lost: 98 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	NA

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QUESTIONS, Page 2

Action 488865

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	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	Leak has been isolated and contained.

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@tetrattech.com Date: 07/27/2025
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QUESTIONS, Page 3

Action 488865

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	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	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1870
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/07/2024
On what date will (or did) the final sampling or liner inspection occur	12/18/2024
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	18339
What is the estimated volume (in cubic yards) that will be reclaimed	3290
What is the estimated surface area (in square feet) that will be remediated	18339
What is the estimated volume (in cubic yards) that will be remediated	3290

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, Page 4

Action 488865

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 07/27/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 488865

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	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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Action 488865

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 488865
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	411968
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/18/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

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	18339
What was the total volume (cubic yards) remediated	3290
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	18339
What was the total volume (in cubic yards) reclaimed	3290
Summarize any additional remediation activities not included by answers (above)	No additional comments.

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@tetrattech.com Date: 07/27/2025
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Action 488865

QUESTIONS (continued)

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	Action Number: 488865
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	18339
What was the total volume of replacement material (in cubic yards) for this site	3290
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/15/2025
Summarize any additional reclamation activities not included by answers (above)	No additional information.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 07/27/2025

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Action 488865

QUESTIONS (continued)

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	Action Number: 488865
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Action 488865

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
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CONDITIONS

Created By	Condition	Condition Date
nvez	None	8/15/2025