SITE INFORMATION

Report Type: Closure Report nAPP2131262448

General Site Information:						
Site:	**Myers Langlie Mattix Unit Battery**					
Company:	**JR Oil LTD**					
Section, Township and Range	**Unit F**	**Sec. 05**	**T 24S**	**R 37E**		
Lease Number:						
County:	**Lea County**					
GPS:	**32.24873**			**-103.18575**		
Surface Owner:	Private: Lea County Partners					
Mineral Owner:						
Directions:	From 18 and Oxy Lane, travel East on Oxy Lane for 0.25 miles. Location on your Left.					

Release Data:	
Date Released:	10/11/2021
Type Release:	Oil & Produced Water
Source of Contamination:	3rd Party Line Strike on Productic
Fluid Released:	25 bbl oil & 30 bbl water
Fluids Recovered:	0 bbl oil & 0 bbl water

Official Communication:			
Name:	Joe Tippy		Clair Gonzales
Company:	JR Oil LTD		Tetra Tech
Address:	PO Box 2975		901 W. Wall St.
			Ste 100
City:	Hobbs, New Mexico 88241		Midland, Texas, 79701
Phone number:	(575) 390-1380		(432) 682-4559
Fax:			
Email:	JoeTippy@valornet.com		clair.gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*112' Below Ground Surface*
Karst Potential:	*Low*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*1,000 mg/kg*	*2,500 mg/kg*	*20,000 mg/kg*

TETRA TECH

January 27, 2023

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Closure Report
JR Oil, LTD.
Myers Langlie Mattix Unit Battery
Lea County, New Mexico
nAPP2131262448

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by JR Oil, LTD (JR Oil) to assess a release that occurred at the Myers Langlie Mattix Unit Battery (MLMU Battery), Unit F, Section 5, Township 24 South, Range 37 East, Lea County, New Mexico (Site). The spill site coordinates are 32.248730°, -103.185750°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the MLMU Battery was caused by a 3rd party line strike on the production line, causing the release of 30 bbls of produced water and 25 bbls of oil, impacting an area of 146' X 90'. None of fluids were recovered. On October 11, 2021, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurfaces mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the site is located in a low karst area. The NFHL Map and USGS Mapper are shown in **Appendix B**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundaries, defined municipal fresh water well field, or a school district. Additionally, there were no occupied

permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the four closest water wells within a mile radius of the Site. A well reported on the NMOSE Water Rights Reporting System reports a total depth of 170 ft bgs and measured water level of 112 ft bgs and is approximately 0.17 miles of the Site. A well reported on the NMOSE Water Rights Reporting System reports a total depth of 125 ft bgs and measured water level of 112 ft bgs and is approximately 0.22 miles of the Site. A well reported on the NMOSE Water Rights Reporting System reports a total depth of 175 ft bgs and measured water level of 105 ft bgs and is approximately 0.24 miles of the Site. The well reported on the USGS National Water Information System reports a water level measured at 92.05 ft bgs and is approximately 1.07 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.17 Miles	11/17/2015	NMOSE	170’	112’
0.22 Miles	11/16/2015	NMOSE	125’	112’
0.24 Miles	11/23/2021	NMOSE	175’	105’
1.07 Miles	2/22/1996	USGS	N/A	92.05’

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL beyond the top 4.0’ of soil, for TPH is 2,500 mg/kg (GRO + DRO + ORO) and 1,000 mg/kg (GRO + DRO). Additionally, based on the site characterization, the proposed RRAL beyond the top 4.0’ of soil, for chlorides is 20,000 mg/kg.

Site Assessment Activities

Tetra Tech conducted site assessment activities on November 3, 2022. A total of seven (7) auger holes (AH-1 through AH-7) were installed to total depths of 4.5 ft bgs to attempt to assess and vertically delineate the impacted the area. Additionally, a total of thirteen (13) horizontals (H-1 through H-13) were installed to total depths of 1.0 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 3.**

The samples were submitted to Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, auger holes (AH-3 through AH-7) indicated TPH concentrations above RRALs, with concentrations ranging from 109 mg/kg to 8,890 mg/kg, at depths ranging from surface to 3.5 ft bgs. Auger holes (AH-3 through AH-5) indicated chloride concentrations above RRALs with concentrations ranging from 1,130 mg/kg to 5,210 mg/kg, at depths ranging from 2.5 to 3.5 ft bgs. Auger hole (AH-7) indicated BTEX concentrations above RRALs, with concentrations ranging from 54.1 mg/kg to 55.8 mg/kg, at depths ranging from 2.5 to 3.5 ft bgs. However, auger holes (AH-1 and AH-2) indicated benzene, BTEX, TPH, and chloride concentrations below RRALs, auger hole (AH-6) indicated chloride concentrations below RRALs, and auger holes (AH-2 through AH-6) indicated benzene and BTEX concentrations below RRALs. Additionally, Horizontals (H-1 through H-13) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Remediation Activities

JR Oil conducted remediation activities from November 21, 2022. The areas of impact were remediated to a total depth of 4.0 ft bgs. The remediation areas and depths are shown on **Figure 4.**

Following remediation activites, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of full depth of sidewalls and the entire floor of the excavation are collected. The confirmation sample notification was sent to the NMOCD via email, on December 21, 2022, at 12:48 AM, a copy of the notice is shown in **Appendix D.** A total of thirty-one (31) bottom holes (BH-1 through BH-31) were collected and a total of eighteen (18) sidewalls (SW-1 through SW-18) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs.

Conclusions

Based on the C-141 (nAPP2131262448) and information provided by JR Oil, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activites, the RRALs of 20,000 mg/kg for chlorides, and 1,000 mg/kg (GRO + DRO) and 2,500 mg/kg for total TPH (GRO + DRO + ORO) were followed

for soil beyond the top 4.0 ft of soil. Based on Tetra Tech assessment activites, laboratory results indicated BTEX, TPH, and chloride concentrations in auger holes (AH-3 through AH-7) exceeded RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 898 cubic yards of impacted soil was removed and properly disposed of, and the area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs for all constituents. Based on this information, it is recommended that this Site requires no further action. The final C-141 is included in **Appendix A**.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted,
TETRA TECH

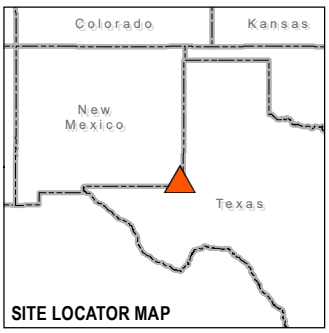
Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures

APPROXIMATE SITE LOCATION



0 11,000 22,000 Feet

Approximate Scale

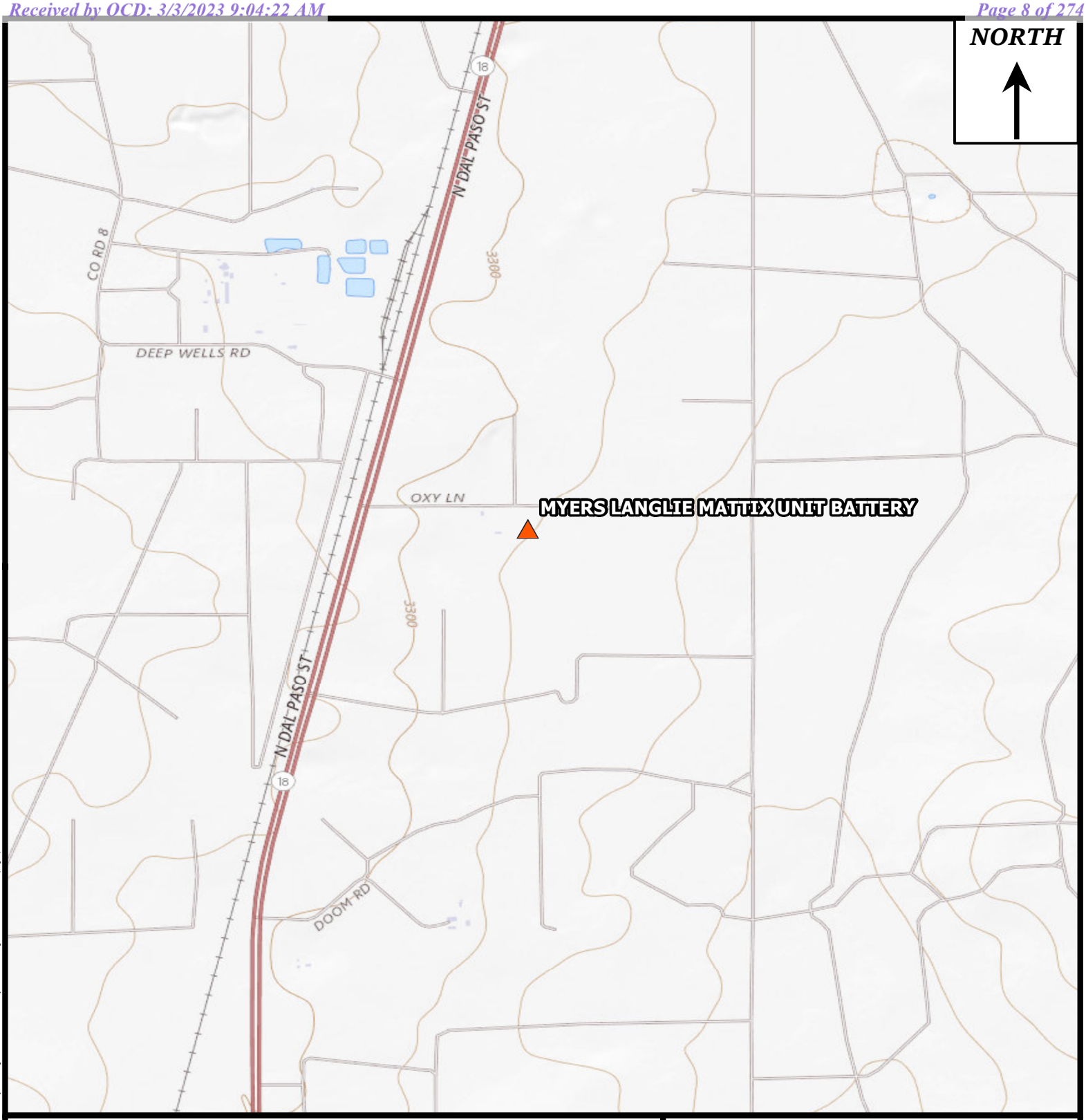
Service Layer Credits: USGS, The National Map, 2020.

J R OIL, LTD. CO.

FIGURE 1
OVERVIEW MAP
MYERS LANGLIE MATTIX UNIT BATTERY
LEA COUNTY, NEW MEXICO
32.248730°, -103.185750°

Project: 212C-MD-02892	
Date: 11/01/2022	
Name: Figure 1 - MLM U B	

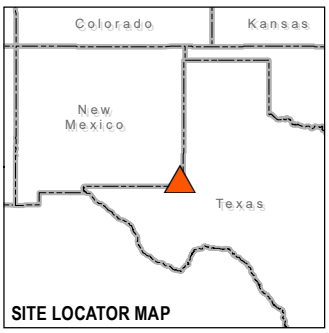
Document Path: C:\Users\EMORENOFLORES\Documents\Projects\JR OIL Ltd\02892 - Myers Langlie Mattix Unit Battery\GIS\MXD\Figure 1 - MLM U B - Overview.mxd



APPROXIMATE SITE LOCATION

0 1,000 2,000 Feet

Approximate Scale



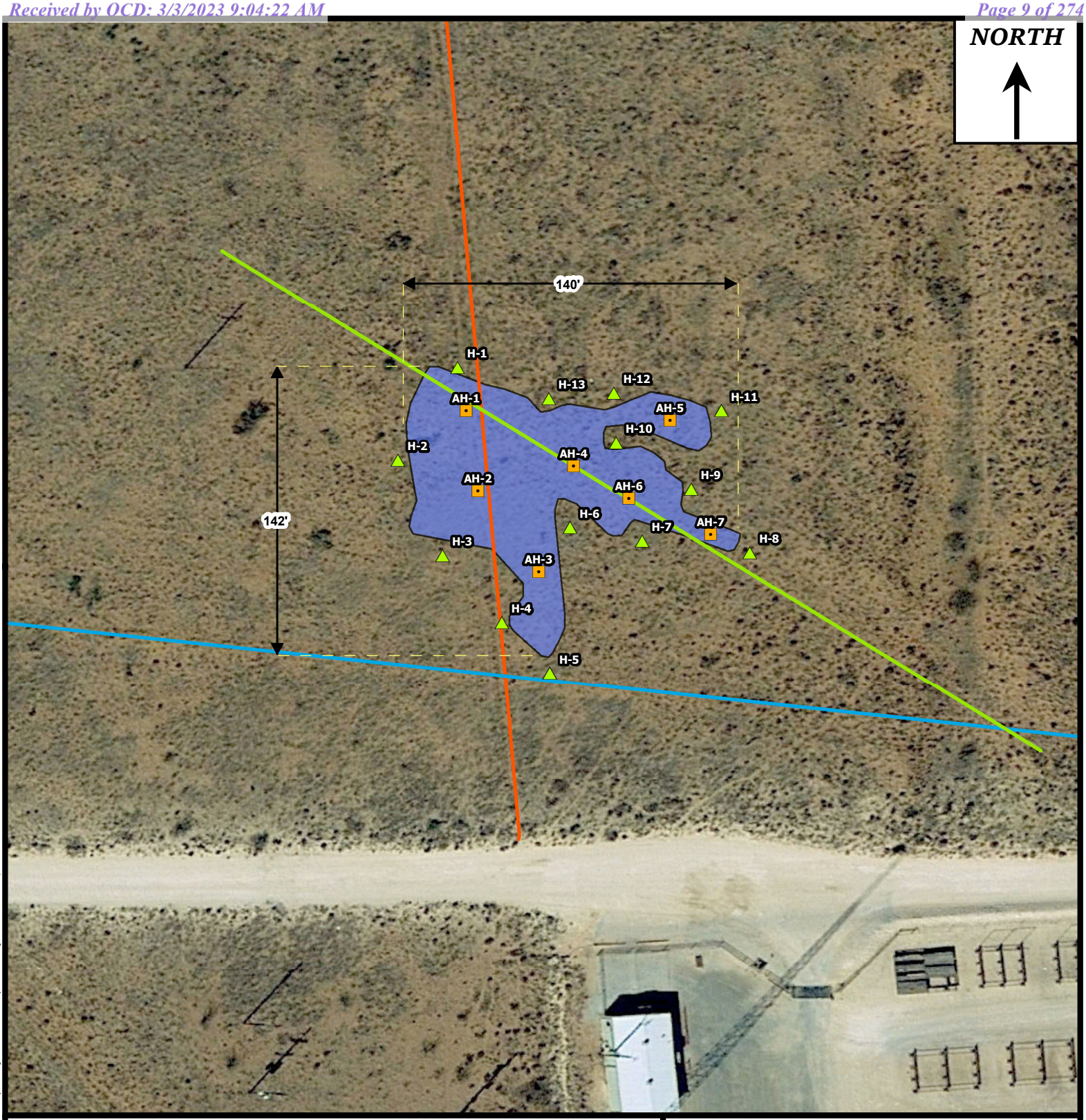
Service Layer Credits: USGS, The National Map, 2020.

J R OIL, LTD. CO.

FIGURE 2
TOPOGRAPHIC MAP
MYERS LANGLIE MATTIX UNIT BATTERY
LEA COUNTY, NEW MEXICO
32.248730°, -103.185750°

Project: 212C-MD-02892	
Date: 11/01/2022	
Name: Figure 2 - MLM U B	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\JR OIL Ltd\02892 - Myers Langlie Mattix Unit Battery\GIS\MXD\Figure 2 - MLM U B - Topographic.mxd



HORIZONTAL SAMPLE LOCATIONS
AUGERHOLE SAMPLE LOCATIONS
BURIED LINE - JR OIL
BURIED LINE - TARGA
BURIED LINE - NM GAS
SPILL EXTENT

0 40 80
Feet
Approximate Scale

Service Layer Credits: Google Maps, 2021.

J R OIL, LTD. CO.

FIGURE 3
SPILL ASSESSMENT MAP
MYERS LANGLIE MATTIX UNIT BATTERY
LEA COUNTY, NEW MEXICO
32.248730°, -103.185750°

Project: 212C-MD-02892	
Date: 11/15/2022	
Name: Figure 3 - MLM U B	

Document Path: C:\Users\E.MORENO\FLORES\Documents\Projects\JR OIL Ltd\02892 - Myers Langlie Mattix Unit Battery\GIS\MXD\Figure 3 - MLM U B - Spill.mxd

REMOVED SIDEWALL SAMPLE LOCATIONS
FINAL SIDEWALL SAMPLE LOCATIONS
BOTTOMHOLE SAMPLE LOCATIONS
4' DEPTH EXCAVATION

0 30 60
Feet
Approximate Scale

Service Layer Credits: Google Maps, 2021.

J R OIL, LTD. CO.

FIGURE 4
EXCAVATION AREA & DEPTH MAP
MYERS LANGLIE MATTIX UNIT BATTERY
LEA COUNTY, NEW MEXICO
32.248730°, -103.185750°

Project: 212C-MD-02892	
Date: 1/23/2023	
Name: Figure 4 - MLM U B	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\JR OIL Ltd\02892 - Myers Langlie Mattix Unit Battery\GIS\MXD\Figure 4 - MLM U B - Spill.mxd

TETRA TECH

Tables

Table 1
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
AH-1	11/3/2022	0-1	-	X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15.9
	"	1-1.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.3
	"	2-2.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.5
	"	3-3.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	18.0
	"	4-4.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.2
AH-2	11/3/2022	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.0
	"	1-1.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	181
	"	2-2.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	127
	"	3-3.5	-	X	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
	"	4-4.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.6
AH-3	11/3/2022	0-1	-	X	<50.0	82.0	<50.0	82.0	<0.00200	<0.00200	0.00809	0.0146	0.0227	55.3
	"	1-1.5	-	X	<50.0	**148**	<50.0	**148**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	236
	"	2-2.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**5,210**
	"	3-3.5	-	X	<49.9	**211**	<49.9	**211**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,980**
AH-4	11/3/2022	0-1	-	X	<250	**4,450**	**641**	**5,090**	0.225	0.0733	<0.0398	0.166	0.464	219
	"	1-1.5	-	X	**116**	**2,590**	**382**	**3,090**	0.0417	<0.0398	<0.0398	<0.0795	<0.0795	176
	"	2-2.5	-	X	<49.8	**148**	<49.8	**148**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	244
	"	3-3.5	-	X	<50.0	**255**	<50.0	**255**	0.303	<0.0399	<0.0399	0.178	0.481	**1,130**
	"	4-4.5	-	X	<50.0	702	101	803	<0.00199	<0.00199	<0.00199	0.0108	0.0108	960

Table 1
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
AH-5	11/3/2022	0-1	-	X	<250	**7,930**	**955**	**8,890**	0.242	0.0688	0.209	3.06	3.58	326
	"	1-1.5	-	X	<249	**5,880**	**729**	**6,610**	<0.00200	0.00587	0.0940	0.288	0.388	461
	"	2-2.5	-	X	**326**	**3,940**	**501**	**4,770**	0.204	0.0665	0.615	2.40	3.29	550
	"	3-3.5	-	X	<49.9	**489**	**61.9**	**551**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,220**
	"	4-4.5	-	X	<49.9	86.8	<49.9	86.8	<0.00201	<0.00201	<0.00201	0.00672	0.00672	900
AH-6	11/3/2022	0-1	-	X	<50.0	**1,610**	**235**	**1,850**	<0.00199	<0.00199	<0.00199	0.0101	0.0101	230
	"	1-1.5	-	X	<50.0	**116**	<50.0	**116**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.6
	"	2-2.5	-	X	<49.9	**109**	<49.9	**109**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	167
	"	3-3.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	44.9
	"	4-4.5	-	X	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	23.1
AH-7	11/3/2022	0-1	-	X	**586**	**7,960**	<250	**8,550**	<0.00199	0.0291	0.0659	0.398	0.493	17.7
	"	1-1.5	-	X	**1,080**	**4,050**	<49.9	**5,130**	<0.0399	0.779	7.12	19.1	27.0	18.0
	"	2-2.5	-	X	**1,630**	**4,400**	<49.9	**6,030**	<0.0398	**2.09**	**16.0**	**37.7**	**55.8**	17.3
	"	3-3.5	-	X	**1,350**	**3,310**	<50.0	**4,660**	<0.0400	**1.46**	**16.6**	**36.0**	**54.1**	18.4
	"	4-4.5	-	X	109	191	<50.0	300	<0.00202	0.0213	0.106	0.321	0.448	116
H-1	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.5
H-2	11/3/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.3
H-3	11/3/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.9
H-4	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.0
H-5	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.2
H-6	11/3/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.1
H-7	11/3/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.4

Table 1
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
H-8	11/3/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	18.1
H-9	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.5
H-10	11/3/2022	0-1	X	-	<49.9	52.8	<49.9	52.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.1
H-11	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.2
H-12	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.6
H-13	11/3/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.6

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and Releases.*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance

Table 2
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)						**1,000 mg/kg**		**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
BH-1	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	188
BH-2	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	151
BH-3	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	173
BH-4	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	354
BH-5	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	328
BH-6	12/27/2022	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	460
BH-7	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	965
BH-8	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	720
BH-9	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	736
BH-10	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	73.8
BH-11	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	45.2
BH-12	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	35.7
BH-13	12/27/2022	4.0	X	-	<49.9	636	87.8	724	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	444
BH-14	12/27/2022	4.0	X	-	<50.0	349	<50.0	349	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	330
BH-15	12/27/2022	4.0	X	-	<49.9	205	<49.9	205	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	287
BH-16	12/27/2022	4.0	X	-	<50.0	138	<50.0	138	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	270
BH-17	12/27/2022	4.0	X	-	<50.0	298	<50.0	298	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	432
BH-18	12/27/2022	4.0	X	-	<50.0	355	50.1	405	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	334
BH-19	12/27/2022	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.2
BH-20	12/27/2022	3.0	-	X	<50.0	**888**	**144**	**1,030**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	183
	1/13/2023	4.0	X	-	<50.0	205	<50.0	205	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	159
BH-21	12/27/2022	3.0	-	X	<50.0	**868**	**114**	**982**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	435
	1/13/2023	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.2

Table 2
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)						**1,000 mg/kg**		**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
BH-22	12/27/2022	3.0	-	X	<49.9	**255**	<49.9	**255**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
	1/13/2023	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	13.6
BH-23	12/27/2022	3.0	-	X	<50.0	**259**	<50.0	**259**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	360
	1/13/2023	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.2
BH-24	12/27/2022	4.0	X	-	<49.9	192	<49.9	192	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	335
BH-25	12/27/2022	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	55.8
BH-26	12/27/2022	4.0	X	-	<49.9	192	<49.9	192	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	313
BH-27	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	797
BH-28	12/27/2022	3.0	-	X	<49.9	**511**	71.3	**582**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	192
	1/13/2023	4.0	X	-	<50.0	141	<50.0	141	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	260
BH-29	12/27/2022	3.0	-	X	<50.0	**501**	55.8	**557**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	450
	1/13/2023	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.7
BH-30	12/27/2022	3.0	-	X	<50.0	**474**	64.8	**539**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	235
	1/13/2023	4.0	X	-	<49.9	578	<49.9	578	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	98.7
BH-31	12/27/2022	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	150
SW-1	12/27/2022	-	-	X	<49.9	**590**	<49.9	**590**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	158
SW-2	12/27/2022	-	-	X	<49.9	**252**	<49.9	**252**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	110
SW-3	12/27/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.5
SW-4	12/27/2022	-	-	X	60.1	**1,390**	<49.8	**1,450**	<0.00199	<0.00199	<0.00199	0.00796	0.00796	343
SW-5	12/27/2022	-	X	-	<49.9	62.0	<49.9	62.0	<0.00201	0.00855	<0.00201	0.0621	0.0707	5.57
SW-6	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
SW-7	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.00
SW-8	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03
SW-9	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.02

Table 2
JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

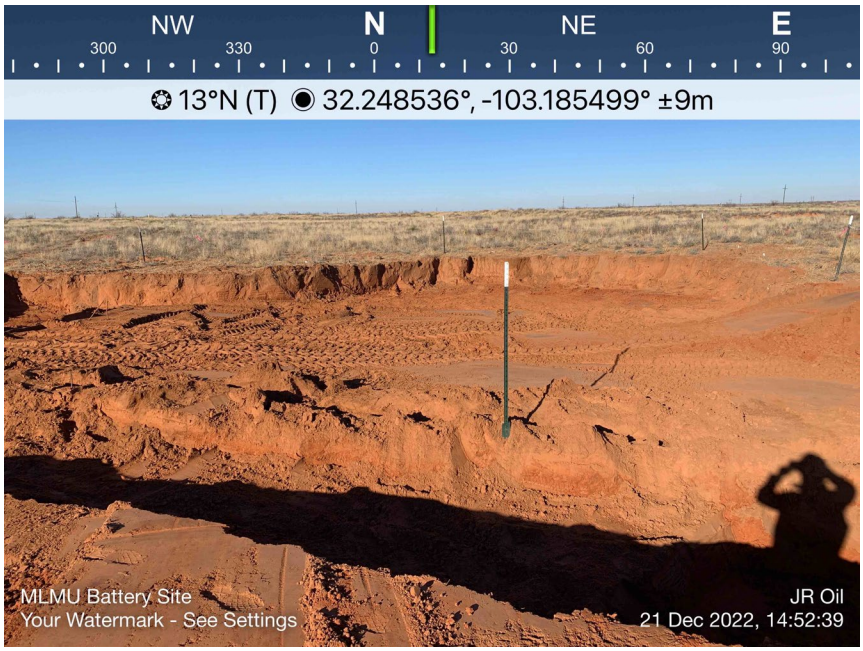
Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)						**1,000 mg/kg**		**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**
SW-10	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<4.98
SW-11	12/27/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.39
SW-12	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.04
SW-13	12/27/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9.05
SW-14	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03
SW-15	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
SW-16	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
SW-17	12/27/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	9.50
SW-18	12/27/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.75

NOTES
RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and Releases.*
All screening values and results are presented in milligrams per kilogram (mg/kg)
Bolded cells represent a detected concentration above the respective screening value.
< = analyte was not detected above the respective sample detection limit
ft = feet below ground surface
(-) = not analyzed for respective constituent
TPH = total petroleum hydrocarbons
BTEX = benzene, toluene, ethylbenzene, xylene
Exceedance
Removed

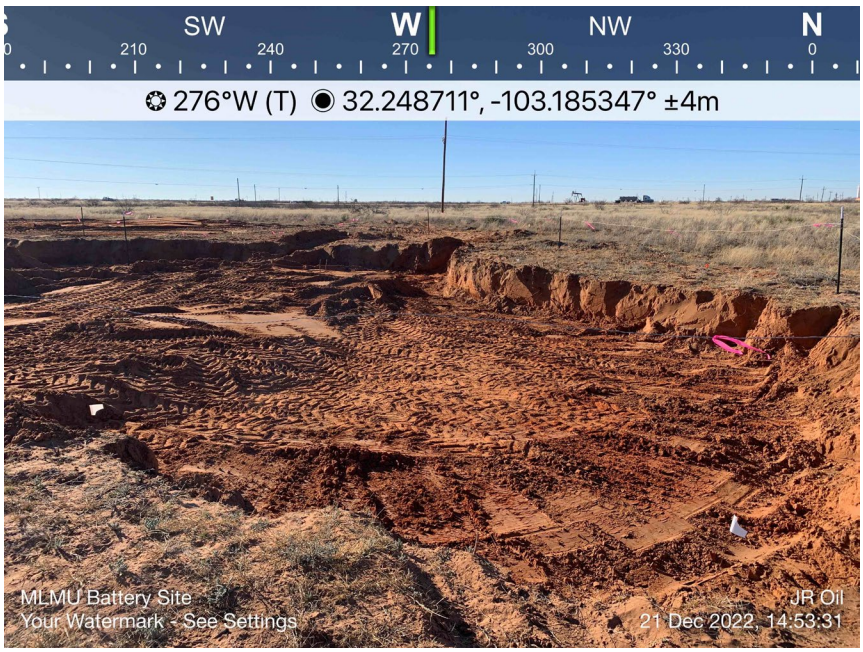
TETRA TECH

Photographic Documentation

JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico



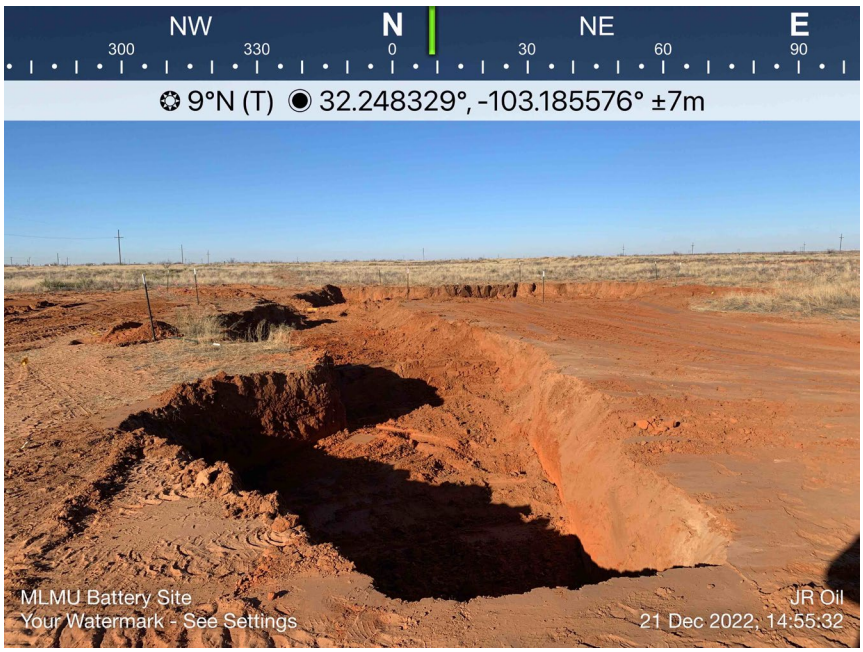
View of Remediation Activities – View North



View of Remediation Activities – View West

JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

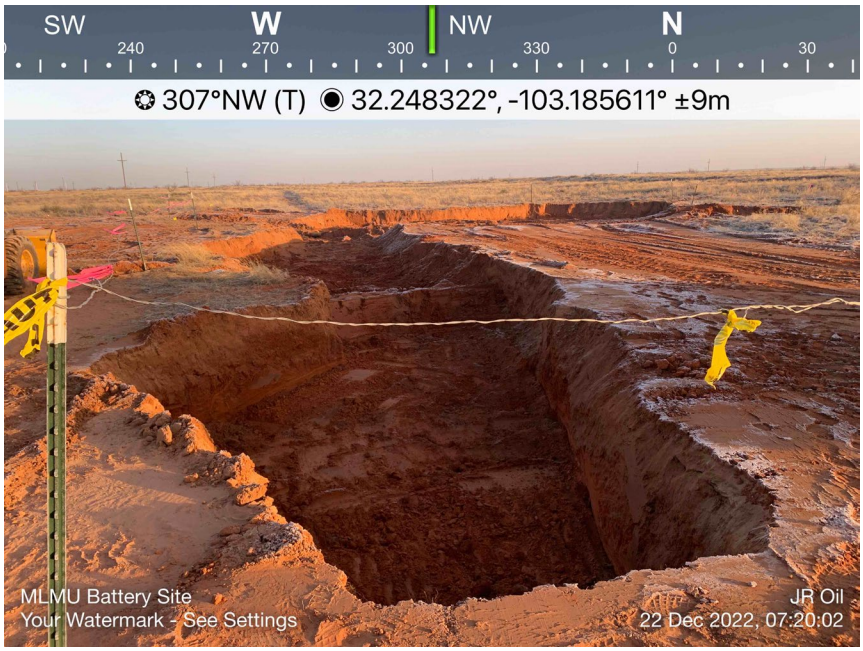
View of Remediation Activities – View South



View of Remediation Activities – View North

JR Oil LTD
Myers Langlie Mattix Unit Battery
Lea County, New Mexico

TETRA TECH



View of Remediation Activities – View Northwest

View of Remediation Activities – View Southwest

TETRA TECH

Appendix A

C-141 Document

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2131262448
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	JR OIL LTD	OGRID	
Contact Name	JOE TIPPY	Contact Telephone	575-390-1380
Contact email	joetippy@valornet.com	Incident # *(assigned by OCD)*	nAPP2131262448
Contact mailing address	PO BOX 2975 HOBBS, NM 88241		

Location of Release Source

Latitude 32.24873 Longitude -103.18575
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MYERS LANGLIE MATTIX UNIT BATTERY	Site Type	
Date Release Discovered	10/11/21	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
F	5	24S	37E	LEA

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* LEA COUNTY PARTNERS)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 25bbls	Volume Recovered (bbls) 0bbls
☒ Produced Water	Volume Released (bbls) 30bbls	Volume Recovered (bbls) 0bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
3RD PARTY LINE STRIKE ON PRODUCTION LINE

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2131262448
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? ESTIMATED 55 BARRELS OF FUILD WERE RELEASED

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
BY EMAIL TO OCD. ENVIRO@STATE.NM.US FROM JOSH LATIMER PRODUCTION FOREMAN

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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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 attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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

Printed Name: JOSH LATIMER Title: PRODUCATION FOREMAN

Signature: Date: 11/12/21

email: JLATIMER@COLTENERGYNM.COM Telephone: 575-414-9188

OCD Only

Received by: Ramona Marcus Date: 11/17/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Joe Tippy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/03/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Joe Tippy _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/03/2023

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

Closure Approved by: Jennifer Nobui Date: 03/14/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

NAPP2131262448

Location of spill: Myers Langlie Mattix Unit Battery

Date of Spill: 10/11/2021

Site Soil Type: Fine Sand

Average Daily Production: _____ BBL Oil _____ BBL Water

Total Area Calculations

Total Surface Area	width			length			wet soil depth	oil (%)
Rectangle Area #1	90 ft	X		140 ft	X		2 in	45%
Rectangle Area #2	15 ft	X		100 ft	X		2 in	45%
Rectangle Area #3	0 ft	X		0 ft	X		0 in	0%
Rectangle Area #4	0 ft	X		0 ft	X		0 in	0%
Rectangle Area #5	0 ft	X		0 ft	X		0 in	0%
Rectangle Area #6	0 ft	X		0 ft	X		0 in	0%
Rectangle Area #7	0 ft	X		0 ft	X		0 in	0%
Rectangle Area #8	0 ft	X		0 ft	X		0 in	0%

Porosity 0.16 gal per gal

Saturated Soil Volume Calculations:

			H2O		OIL	
Area #1	12600	sq. ft.	924	cu. ft.	756	cu. ft.
Area #2	1500	sq. ft.	131	cu. ft.	107	cu. ft.
Area #3	0	sq. ft.		cu. ft.		cu. ft.
Area #4	0	sq. ft.		cu. ft.		cu. ft.
Area #5	0	sq. ft.		cu. ft.		cu. ft.
Area #6	0	sq. ft.		cu. ft.		cu. ft.
Area #7	0	sq. ft.		cu. ft.		cu. ft.
Area #8	0	sq. ft.		cu. ft.		cu. ft.
Total Solid/Liquid Volume:	**14,100**	**sq. ft.**	**1,055**	**cu. ft.**	**863**	**cu. ft.**

Estimated Volumes Spilled

	H2O		OIL	
Liquid in Soil:	30.1	BBL	24.6	BBL
Liquid Recovered :	0.0	BBL	0.0	BBL
Spill Liquid	**30.1**	**BBL**	**24.6**	**BBL**
Total Spill Liquid:	**54.6**			

Recovered Volumes

Estimated oil recovered: 0.0 **BBL**

Estimated water recovered: 0.0 **BBL**

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

TETRA TECH

Appendix B

Site Characterization Documents

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 01431 POD8	3	2	1	32	23S	37E	670711	3569652

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	11/12/2015	**Drill Finish Date:**	11/17/2015	**Plug Date:**	
Log File Date:	12/18/2015	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	170 feet	**Depth Water:**	112 feet

Water Bearing Stratifications:	Top	Bottom	Description
	111	116	Sandstone/Gravel/Conglomerate
	116	125	Sandstone/Gravel/Conglomerate
	125	155	Sandstone/Gravel/Conglomerate
	155	166	Sandstone/Gravel/Conglomerate
	166	167	Sandstone/Gravel/Conglomerate
	167	170	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	147	167

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 01431 POD7	2	2	1	05	24S	37E	670806	3569801

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	11/16/2015	**Drill Finish Date:**	11/16/2015	**Plug Date:**	
Log File Date:	12/18/2015	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	125 feet	**Depth Water:**	112 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	102	122

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01892 POD2	1	1	2	05	24S	37E	671042	3569820

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date:	11/18/2021	**Drill Finish Date:**	11/23/2021	**Plug Date:**	
Log File Date:	05/17/2022	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	0.43	**Depth Well:**	175 feet	**Depth Water:**	105 feet

Water Bearing Stratifications:	Top	Bottom	Description
	50	150	Other/Unknown

Casing Perforations:	Top	Bottom
	145	165

Click to hideNews Bulletins

- **ALERT!** USGS will be performing an upgrade to their network on **Thursday, November 17, 2022, starting at 10:00pm EST**. During the maintenance period, the Water Data for the Nation web portal and water services will be accessible; however, delivery of the most recent time-series data and WaterAlert notifications will be disrupted. The maintenance period is not expected to exceed 4 hours, after which the backlog of time-series data will be processed and delivered.
- Water Data for the Nation Blog

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321406103103701

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321406103103701 24S.37E.05.444243

Lea County, New Mexico
Latitude 32°14'06", Longitude 103°10'37" NAD27
Land-surface elevation 3,272 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-02-28		D	62610		3176.52	NGVD29	1	Z		
1968-02-28		D	62611		3177.82	NAVD88	1	Z		
1968-02-28		D	72019	94.18			1	Z		
1970-12-03		D	62610		3176.89	NGVD29	1	Z		
1970-12-03		D	62611		3178.19	NAVD88	1	Z		
1970-12-03		D	72019	93.81			1	Z		
1976-01-16		D	62610		3177.35	NGVD29	1	Z		
1976-01-16		D	62611		3178.65	NAVD88	1	Z		
1976-01-16		D	72019	93.35			1	Z		
1981-03-17		D	62610		3177.92	NGVD29	1	Z		
1981-03-17		D	62611		3179.22	NAVD88	1	Z		
1981-03-17		D	72019	92.78			1	Z		
1986-03-05		D	62610		3178.19	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1986-03-05		D	62611		3179.49	NAVD88	1	Z		
1986-03-05		D	72019	92.51			1	Z		
1991-05-21		D	62610		3178.52	NGVD29	1	Z		
1991-05-21		D	62611		3179.82	NAVD88	1	Z		
1991-05-21		D	72019	92.18			1	Z		
1996-02-22		D	62610		3178.65	NGVD29	1	S		
1996-02-22		D	62611		3179.95	NAVD88	1	S		
1996-02-22		D	72019	92.05			1	S		

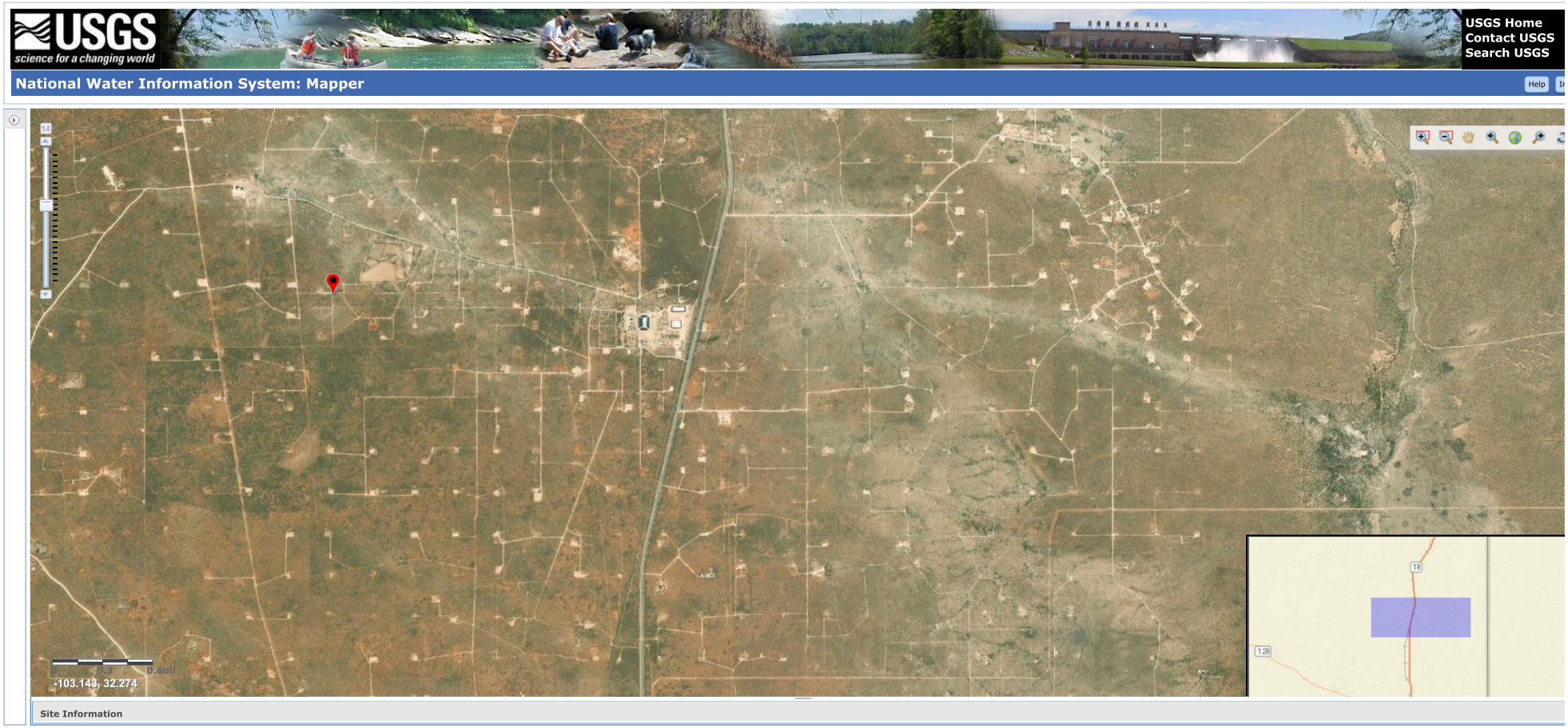
Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

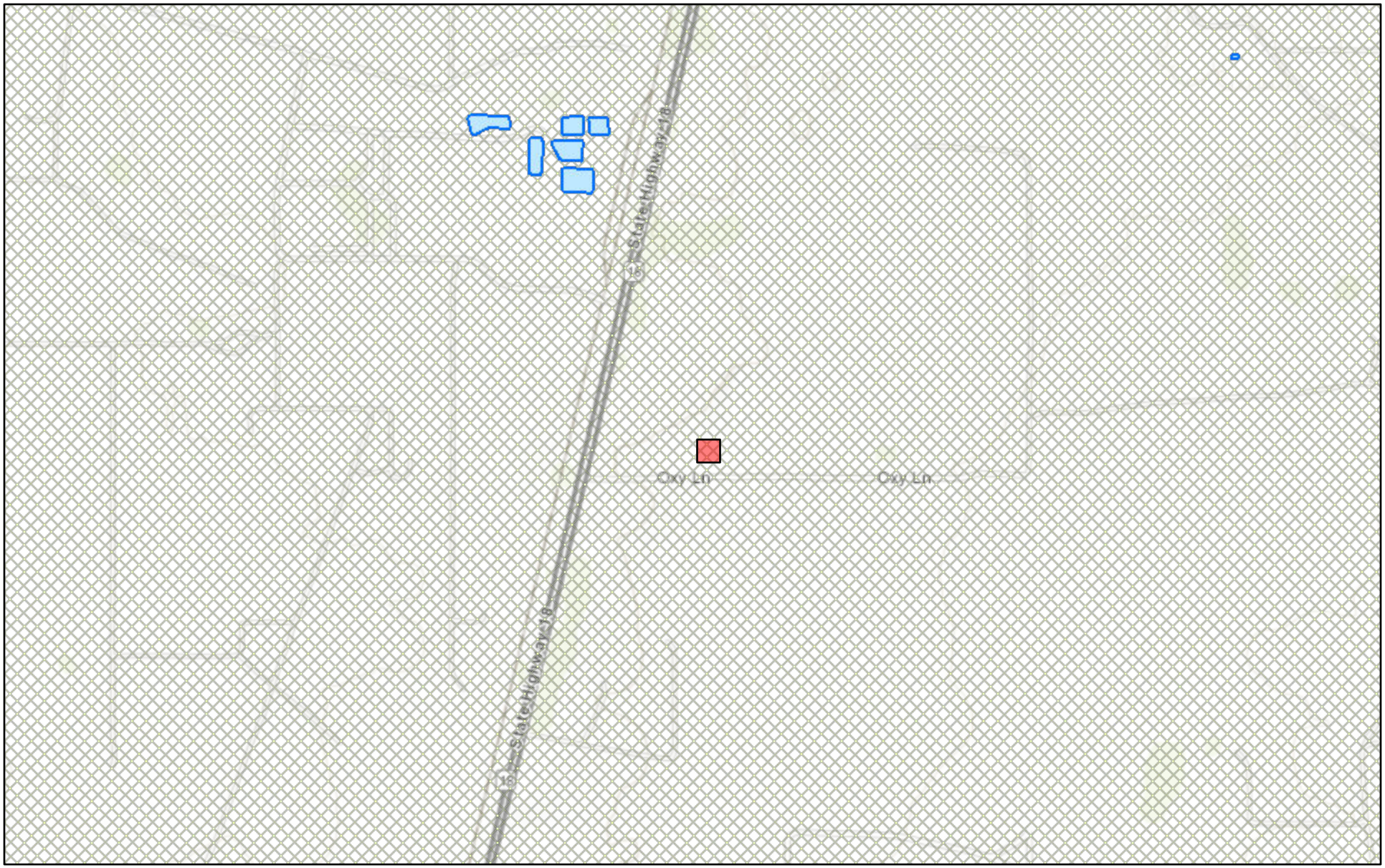
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-11-16 01:35:16 EST
0.28 0.25 nadww01



New Mexico NFHL Data



November 15, 2022

1:18,056

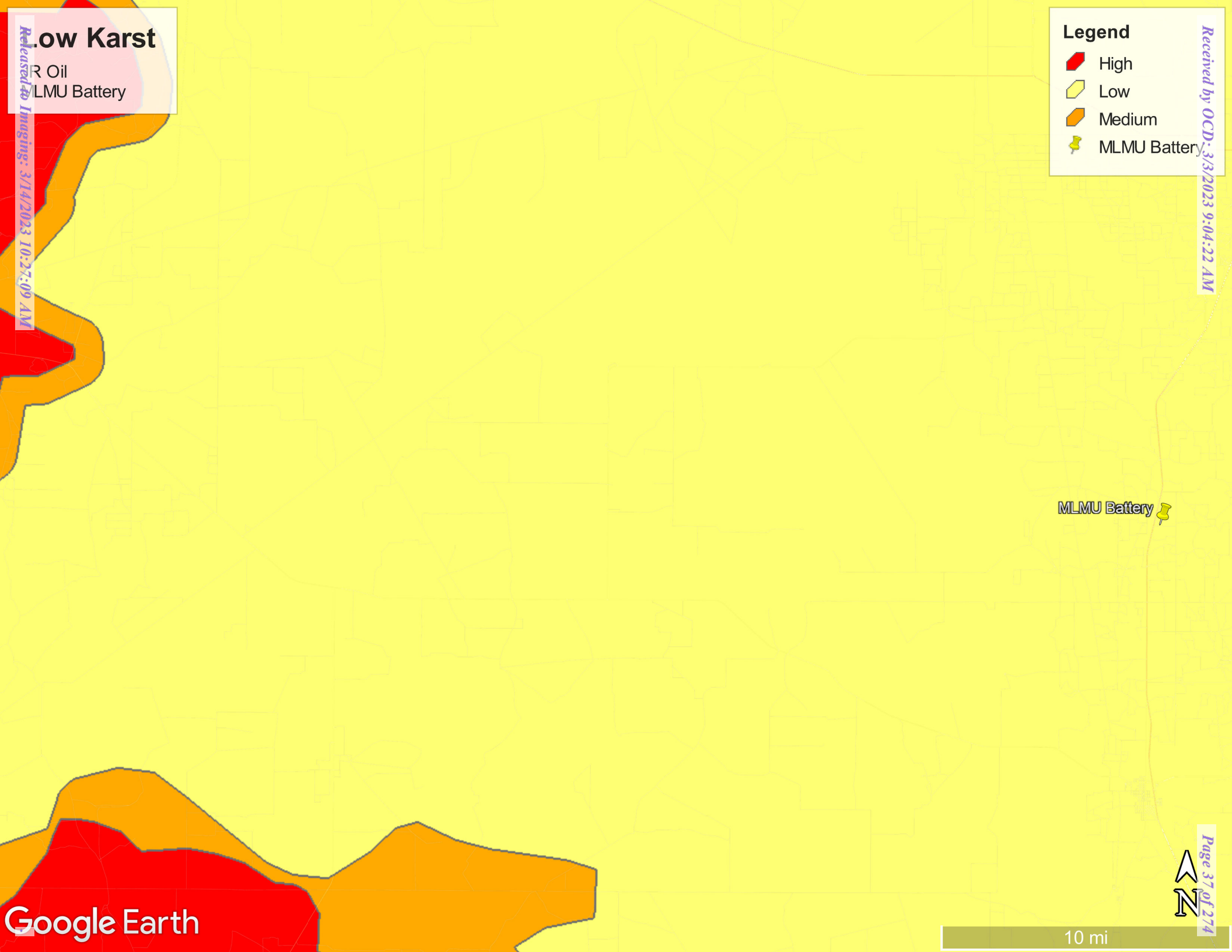
0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.


Low Karst
R Oil
LMU Battery
Released to Imaging: 3/14/2023 10:27:09 AM
Legend
High
Low
Medium
MLMU Battery
Received by OCD: 3/3/2023 9:04:22 AM
MLMU Battery
Google Earth
10 mi
N

TETRA TECH

Appendix C

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

JOB DESCRIPTION

JR Oil - MLMU Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-3380-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM88220

my EOL

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Laboratory Job ID: 890-3380-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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
*-	LCS and/or LCSD is outside acceptance 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/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Job ID: 890-3380-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3380-1

Receipt
The samples were received on 11/4/2022 8:41 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 3.2°C

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample was received: AH-3 (4-4.5') (890-3380-28).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-7 (2-2.5') (890-3380-46) and AH-7 (3-3.5') (890-3380-47). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39027 and analytical batch 880-39341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-2 (4-4.5') (890-3380-23), AH-5 (.5-1') (890-3380-34) and AH-5 (1-1.5') (890-3380-35). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39023 and analytical batch 880-39277 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39022 and analytical batch 880-39343 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-5 (890-3380-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-5 (2-2.5') (890-3380-36). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-7 (2-2.5') (890-3380-46). 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: The surrogate recovery for the blank associated with preparation batch 880-38889 and analytical batch 880-38946 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-38906 and analytical batch 880-38949 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: AH-5 (2-2.5') (890-3380-36). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-38926 and analytical batch 880-39161 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been

Case Narrative

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

Job ID: 890-3380-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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: AH-6 (3-3.5') (890-3380-42), AH-6 (4-4.5') (890-3380-43), AH-7 (.5-1') (890-3380-44), AH-7 (1-1.5') (890-3380-45), AH-7 (2-2.5') (890-3380-46), AH-7 (3-3.5') (890-3380-47), AH-7 (4-4.5') (890-3380-48) and (MB 880-38926/1-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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-38845 and 880-38845 and analytical batch 880-39041 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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-1

Lab Sample ID: 890-3380-1
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 19:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 19:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 19:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/11/22 19:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 19:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/11/22 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*11/08/22 15:10*	*11/11/22 19:09*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/08/22 15:10*	*11/11/22 19:09*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 11:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/07/22 14:21*	*11/08/22 11:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/07/22 14:21*	*11/08/22 11:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.5**		4.98		mg/Kg			11/10/22 22:01	1

Client Sample ID: H-2

Lab Sample ID: 890-3380-2
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 19:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 19:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 19:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/11/22 19:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 19:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/11/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/08/22 15:10*	*11/11/22 19:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/08/22 15:10*	*11/11/22 19:35*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-2

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-2
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			11/14/22 12:31	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			11/09/22 09:35	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	<49.8	U	49.8		mg/Kg		11/07/22 14:21	11/08/22 12:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/07/22 14:21	11/08/22 12:51	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 14:21	11/08/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/07/22 14:21*	*11/08/22 12:51*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/07/22 14:21*	*11/08/22 12:51*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.3**		4.97		mg/Kg			11/10/22 22:08	1

Client Sample ID: H-3

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 20:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/08/22 15:10*	*11/11/22 20:01*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/08/22 15:10*	*11/11/22 20:01*	*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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:21	11/08/22 13:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 13:12	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-3

Lab Sample ID: 890-3380-3
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:12*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		4.96		mg/Kg			11/10/22 22:15	1

Client Sample ID: H-4

Lab Sample ID: 890-3380-4
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 20:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 20:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 20:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/08/22 15:10*	*11/11/22 20:28*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/08/22 15:10*	*11/11/22 20:28*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:33	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:33*	*1*
o-Terphenyl	*116*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		5.01		mg/Kg			11/10/22 22:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-5

Lab Sample ID: 890-3380-5
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 20:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 20:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 20:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/11/22 20:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 20:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/11/22 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*11/08/22 15:10*	*11/11/22 20:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/08/22 15:10*	*11/11/22 20:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:55*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/07/22 14:21*	*11/08/22 13:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		4.98		mg/Kg			11/10/22 22:43	1

Client Sample ID: H-6

Lab Sample ID: 890-3380-6
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 21:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 21:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 21:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/22 15:10	11/11/22 21:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 21:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/22 15:10	11/11/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/08/22 15:10*	*11/11/22 21:20*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/08/22 15:10*	*11/11/22 21:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-6

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-6
Matrix: Solid

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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:21	11/08/22 14:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 14:16	1
OIl Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/07/22 14:21*	*11/08/22 14:16*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/07/22 14:21*	*11/08/22 14:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**		4.99		mg/Kg			11/10/22 22:51	1

Client Sample ID: H-7

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-7
Matrix: Solid

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		11/08/22 15:10	11/11/22 21:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 21:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 21:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/11/22 21:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/11/22 21:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/11/22 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/08/22 15:10*	*11/11/22 21:47*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/08/22 15:10*	*11/11/22 21:47*	*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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:21	11/08/22 14:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 14:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-7

Lab Sample ID: 890-3380-7
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:21	11/08/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/07/22 14:21*	*11/08/22 14:38*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/07/22 14:21*	*11/08/22 14:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.4**		4.95		mg/Kg			11/10/22 22:58	1

Client Sample ID: H-8

Lab Sample ID: 890-3380-8
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/11/22 22:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 22:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 22:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/08/22 15:10	11/11/22 22:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 22:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/08/22 15:10	11/11/22 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/08/22 15:10*	*11/11/22 22:13*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/08/22 15:10*	*11/11/22 22:13*	*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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:22	11/08/22 14:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 14:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/07/22 14:22*	*11/08/22 14:59*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/07/22 14:22*	*11/08/22 14:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.1**		5.04		mg/Kg			11/10/22 23:05	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-9

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 22:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 22:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 22:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 22:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 22:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*11/08/22 15:10*	*11/11/22 22:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/08/22 15:10*	*11/11/22 22:40*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 15:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*11/07/22 14:22*	*11/08/22 15:21*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/07/22 14:22*	*11/08/22 15:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.5**		4.95		mg/Kg			11/10/22 23:12	1

Client Sample ID: H-10

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 23:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 23:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 23:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 23:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/11/22 23:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/11/22 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/08/22 15:10*	*11/11/22 23:06*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/08/22 15:10*	*11/11/22 23:06*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-10

Lab Sample ID: 890-3380-10
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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			11/14/22 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.8**		49.9		mg/Kg			11/09/22 09:35	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		11/07/22 14:22	11/08/22 15:43	1
Diesel Range Organics (Over C10-C28)	**52.8**		49.9		mg/Kg		11/07/22 14:22	11/08/22 15:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/07/22 14:22*	*11/08/22 15:43*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/07/22 14:22*	*11/08/22 15:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.1**		5.00		mg/Kg			11/10/22 23:19	1

Client Sample ID: H-11

Lab Sample ID: 890-3380-11
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/12/22 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 00:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/12/22 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 00:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/12/22 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/08/22 15:10*	*11/12/22 00:52*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:10*	*11/12/22 00:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:31	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-11

Lab Sample ID: 890-3380-11
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/07/22 14:22*	*11/08/22 16:31*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/07/22 14:22*	*11/08/22 16:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		4.98		mg/Kg			11/10/22 23:40	1

Client Sample ID: H-12

Lab Sample ID: 890-3380-12
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/12/22 01:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/12/22 01:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/12/22 01:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/12/22 01:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:10	11/12/22 01:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/22 15:10	11/12/22 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/08/22 15:10*	*11/12/22 01:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/08/22 15:10*	*11/12/22 01:18*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/07/22 14:22*	*11/08/22 16:52*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/07/22 14:22*	*11/08/22 16:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.6**		4.95		mg/Kg			11/10/22 23:48	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-13

Lab Sample ID: 890-3380-13
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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		11/08/22 15:10	11/12/22 01:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/08/22 15:10	11/12/22 01:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/08/22 15:10	11/12/22 01:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/08/22 15:10	11/12/22 01:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/08/22 15:10	11/12/22 01:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/08/22 15:10	11/12/22 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/08/22 15:10*	*11/12/22 01:44*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:10*	*11/12/22 01:44*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:14*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.6**		4.99		mg/Kg			11/11/22 00:09	1

Client Sample ID: AH-1 (.5-1')

Lab Sample ID: 890-3380-14
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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		11/08/22 15:10	11/12/22 02:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 02:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 02:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/08/22 15:10	11/12/22 02:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 02:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/08/22 15:10	11/12/22 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/08/22 15:10*	*11/12/22 02:11*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:10*	*11/12/22 02:11*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-1 (.5-1')

Lab Sample ID: 890-3380-14
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:22	11/08/22 17:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 17:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:35*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		4.97		mg/Kg			11/11/22 00:16	1

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

Lab Sample ID: 890-3380-15
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/08/22 15:10	11/12/22 02:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 02:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 02:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 02:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 02:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/08/22 15:10*	*11/12/22 02:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:10*	*11/12/22 02:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:56	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-15
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:56*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/07/22 14:22*	*11/08/22 17:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.3**		5.05		mg/Kg			11/11/22 00:23	1

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

Lab Sample ID: 890-3380-16
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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		11/08/22 15:10	11/12/22 03:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/12/22 03:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/22 15:10	11/12/22 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:04*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/07/22 14:22*	*11/08/22 18:18*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/07/22 14:22*	*11/08/22 18:18*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-16
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		4.98		mg/Kg			11/11/22 00:30	1

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

Lab Sample ID: 890-3380-17
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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		11/08/22 15:10	11/12/22 03:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/08/22 15:10	11/12/22 03:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/12/22 03:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/08/22 15:10	11/12/22 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:31*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:22	11/08/22 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 18:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/07/22 14:22*	*11/08/22 18:39*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/07/22 14:22*	*11/08/22 18:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		5.01		mg/Kg			11/11/22 00:37	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-1 (4-4.5')

Lab Sample ID: 890-3380-18
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 15:10	11/12/22 03:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 03:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 03:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 03:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/08/22 15:10*	*11/12/22 03:57*	*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			11/14/22 12:31	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			11/09/22 09:35	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		11/07/22 14:22	11/08/22 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 19:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 14:22	11/08/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:00*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.2**		5.00		mg/Kg			11/11/22 00:45	1

Client Sample ID: AH-2 (.5-1)

Lab Sample ID: 890-3380-19
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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		11/08/22 15:10	11/12/22 04:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 04:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 04:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 04:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:10	11/12/22 04:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:10	11/12/22 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/08/22 15:10*	*11/12/22 04:24*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-2 (.5-1)

Lab Sample ID: 890-3380-19
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/08/22 15:10*	*11/12/22 04:24*	*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			11/14/22 12:31	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			11/09/22 09:35	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	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 19:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.0**		5.00		mg/Kg			11/11/22 00:52	1

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

Lab Sample ID: 890-3380-20
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/08/22 15:10	11/12/22 04:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 04:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 04:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/08/22 15:10	11/12/22 04:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:10	11/12/22 04:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/08/22 15:10	11/12/22 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/08/22 15:10*	*11/12/22 04:51*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/08/22 15:10*	*11/12/22 04:51*	*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			11/14/22 12:31	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			11/09/22 09:35	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-20
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/07/22 14:22	11/08/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:22	11/08/22 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:42*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/07/22 14:22*	*11/08/22 19:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**181**	**F1**	4.99		mg/Kg			11/10/22 00:07	1

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

Lab Sample ID: 890-3380-21
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		11/08/22 15:14	11/12/22 11:07	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		11/08/22 15:14	11/12/22 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 11:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/08/22 15:14	11/12/22 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 11:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/08/22 15:14	11/12/22 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/08/22 15:14*	*11/12/22 11:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/08/22 15:14*	*11/12/22 11:07*	*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			11/14/22 11:31	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			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 21:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 21:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/07/22 15:31*	*11/08/22 21:38*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/07/22 15:31*	*11/08/22 21:38*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-21
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		4.98		mg/Kg			11/10/22 00:29	1

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

Lab Sample ID: 890-3380-22
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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		11/08/22 15:14	11/12/22 11:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 11:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/08/22 15:14*	*11/12/22 11:28*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*11/08/22 15:14*	*11/12/22 11:28*	*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			11/14/22 11:31	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			11/09/22 09:57	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		11/07/22 15:31	11/08/22 22:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/07/22 15:31	11/08/22 22:44	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 15:31	11/08/22 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/07/22 15:31*	*11/08/22 22:44*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/07/22 15:31*	*11/08/22 22:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.99		mg/Kg			11/10/22 00:36	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-2 (4-4.5')

Lab Sample ID: 890-3380-23
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 15:14	11/12/22 11:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 11:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 11:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*36*	*S1-*	*70 - 130*	*11/08/22 15:14*	*11/12/22 11:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/08/22 15:14*	*11/12/22 11:49*	*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			11/14/22 11:31	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			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/08/22 23:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/08/22 23:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/08/22 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:05*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		4.97		mg/Kg			11/10/22 00:43	1

Client Sample ID: AH-3 (.5-1')

Lab Sample ID: 890-3380-24
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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		11/08/22 15:14	11/12/22 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 12:10	1
Ethylbenzene	**0.00809**		0.00200		mg/Kg		11/08/22 15:14	11/12/22 12:10	1
m-Xylene & p-Xylene	**0.00464**		0.00399		mg/Kg		11/08/22 15:14	11/12/22 12:10	1
o-Xylene	**0.0100**		0.00200		mg/Kg		11/08/22 15:14	11/12/22 12:10	1
Xylenes, Total	**0.0146**		0.00399		mg/Kg		11/08/22 15:14	11/12/22 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:10*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-3 (.5-1')

Lab Sample ID: 890-3380-24
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0227**		0.00399		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**82.0**		50.0		mg/Kg			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 23:27	1
Diesel Range Organics (Over C10-C28)	**82.0**		50.0		mg/Kg		11/07/22 15:31	11/08/22 23:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:27*	*1*
o-Terphenyl	*85*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.3**		5.05		mg/Kg			11/10/22 00:51	1

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

Lab Sample ID: 890-3380-25
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/08/22 15:14	11/12/22 12:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:14	11/12/22 12:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:14	11/12/22 12:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 15:14	11/12/22 12:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:14	11/12/22 12:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/22 15:14	11/12/22 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:31*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:31*	*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			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**148**		50.0		mg/Kg			11/09/22 09:57	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-25
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/07/22 15:31	11/08/22 23:49	1
Diesel Range Organics (Over C10-C28)	**148**		50.0		mg/Kg		11/07/22 15:31	11/08/22 23:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:49*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/07/22 15:31*	*11/08/22 23:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**236**		4.97		mg/Kg			11/10/22 01:12	1

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

Lab Sample ID: 890-3380-26
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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		11/08/22 15:14	11/12/22 12:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:14	11/12/22 12:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:14	11/12/22 12:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/08/22 15:14	11/12/22 12:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/08/22 15:14	11/12/22 12:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/08/22 15:14	11/12/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:51*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/08/22 15:14*	*11/12/22 12:51*	*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			11/14/22 11:31	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			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:11*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:11*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-26
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5210**		49.5		mg/Kg			11/10/22 01:20	10

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

Lab Sample ID: 890-3380-27
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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		11/08/22 15:14	11/12/22 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:12*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:12*	*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			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**211**		49.9		mg/Kg			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:32	1
Diesel Range Organics (Over C10-C28)	**211**		49.9		mg/Kg		11/07/22 15:31	11/09/22 00:32	1
OIl Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:32*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1980**		25.1		mg/Kg			11/10/22 01:27	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-4 (.5-1')

Lab Sample ID: 890-3380-29
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.225**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 13:54	20
Toluene	**0.0733**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 13:54	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/08/22 15:14	11/12/22 13:54	20
m-Xylene & p-Xylene	**0.115**		0.0797		mg/Kg		11/08/22 15:14	11/12/22 13:54	20
o-Xylene	**0.0511**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 13:54	20
Xylenes, Total	**0.166**		0.0797		mg/Kg		11/08/22 15:14	11/12/22 13:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:54*	*20*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:54*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.464**		0.0797		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5090**		250		mg/Kg			11/09/22 09:57	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	<250	U	250		mg/Kg		11/07/22 15:31	11/09/22 03:27	5
Diesel Range Organics (Over C10-C28)	**4450**		250		mg/Kg		11/07/22 15:31	11/09/22 03:27	5
Oil Range Organics (Over C28-C36)	**641**		250		mg/Kg		11/07/22 15:31	11/09/22 03:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:27*	*5*
o-Terphenyl	*97*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:27*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**219**		4.99		mg/Kg			11/10/22 01:34	1

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

Lab Sample ID: 890-3380-30
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0417**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 14:15	20
Toluene	<0.0398	U	0.0398		mg/Kg		11/08/22 15:14	11/12/22 14:15	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/08/22 15:14	11/12/22 14:15	20
m-Xylene & p-Xylene	<0.0795	U	0.0795		mg/Kg		11/08/22 15:14	11/12/22 14:15	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		11/08/22 15:14	11/12/22 14:15	20
Xylenes, Total	<0.0795	U	0.0795		mg/Kg		11/08/22 15:14	11/12/22 14:15	20

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-30
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/08/22 15:14*	*11/12/22 14:15*	*20*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/08/22 15:14*	*11/12/22 14:15*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0795	U	0.0795		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3090**		49.9		mg/Kg			11/09/22 09:57	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	**116**		49.9		mg/Kg		11/07/22 15:31	11/09/22 02:44	1
Diesel Range Organics (Over C10-C28)	**2590**		49.9		mg/Kg		11/07/22 15:31	11/09/22 02:44	1
Oil Range Organics (Over C28-C36)	**382**		49.9		mg/Kg		11/07/22 15:31	11/09/22 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/07/22 15:31*	*11/09/22 02:44*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/07/22 15:31*	*11/09/22 02:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		4.98		mg/Kg			11/10/22 01:41	1

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

Lab Sample ID: 890-3380-31
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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		11/08/22 15:14	11/12/22 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 13:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/08/22 15:14	11/12/22 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 13:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/08/22 15:14	11/12/22 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:33*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/08/22 15:14*	*11/12/22 13:33*	*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			11/14/22 11:31	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-31
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**148**		49.8		mg/Kg			11/09/22 09:57	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		11/07/22 15:31	11/09/22 01:16	1
Diesel Range Organics (Over C10-C28)	**148**		49.8		mg/Kg		11/07/22 15:31	11/09/22 01:16	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 15:31	11/09/22 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*11/07/22 15:31*	*11/09/22 01:16*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/07/22 15:31*	*11/09/22 01:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**	**F1**	4.95		mg/Kg			11/10/22 01:48	1

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

Lab Sample ID: 890-3380-32
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.303**		0.0399		mg/Kg		11/08/22 15:14	11/12/22 17:44	20
Toluene	<0.0399	U	0.0399		mg/Kg		11/08/22 15:14	11/12/22 17:44	20
Ethylbenzene	<0.0399	U	0.0399		mg/Kg		11/08/22 15:14	11/12/22 17:44	20
m-Xylene & p-Xylene	**0.0917**		0.0798		mg/Kg		11/08/22 15:14	11/12/22 17:44	20
o-Xylene	**0.0866**		0.0399		mg/Kg		11/08/22 15:14	11/12/22 17:44	20
Xylenes, Total	**0.178**		0.0798		mg/Kg		11/08/22 15:14	11/12/22 17:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:44*	*20*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:44*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.481**		0.0798		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**255**		50.0		mg/Kg			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 05:16	1
Diesel Range Organics (Over C10-C28)	**255**		50.0		mg/Kg		11/07/22 15:31	11/09/22 05:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 05:16	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-32
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*111*		*70 - 130*	*11/07/22 15:31*	*11/09/22 05:16*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/07/22 15:31*	*11/09/22 05:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		4.97		mg/Kg			11/10/22 02:10	1

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

Lab Sample ID: 890-3380-33
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 15:14	11/12/22 15:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 15:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 15:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 15:40	1
o-Xylene	**0.0108**		0.00199		mg/Kg		11/08/22 15:14	11/12/22 15:40	1
Xylenes, Total	**0.0108**		0.00398		mg/Kg		11/08/22 15:14	11/12/22 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/08/22 15:14*	*11/12/22 15:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/08/22 15:14*	*11/12/22 15:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0108**		0.00398		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**803**		50.0		mg/Kg			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 04:33	1
Diesel Range Organics (Over C10-C28)	**702**		50.0		mg/Kg		11/07/22 15:31	11/09/22 04:33	1
Oil Range Organics (Over C28-C36)	**101**		50.0		mg/Kg		11/07/22 15:31	11/09/22 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*107*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:33*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**960**		4.95		mg/Kg			11/10/22 02:17	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (.5-1')

Lab Sample ID: 890-3380-34
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.242**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 18:05	20
Toluene	**0.0688**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 18:05	20
Ethylbenzene	**0.209**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 18:05	20
m-Xylene & p-Xylene	**1.28**		0.0795		mg/Kg		11/08/22 15:14	11/12/22 18:05	20
o-Xylene	**1.78**		0.0398		mg/Kg		11/08/22 15:14	11/12/22 18:05	20
Xylenes, Total	**3.06**		0.0795		mg/Kg		11/08/22 15:14	11/12/22 18:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*213*	*S1+*	*70 - 130*	*11/08/22 15:14*	*11/12/22 18:05*	*20*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/08/22 15:14*	*11/12/22 18:05*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.58**		0.0795		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**8890**		250		mg/Kg			11/09/22 09:57	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	<250	U	250		mg/Kg		11/07/22 15:31	11/09/22 03:49	5
Diesel Range Organics (Over C10-C28)	**7930**		250		mg/Kg		11/07/22 15:31	11/09/22 03:49	5
Oil Range Organics (Over C28-C36)	**955**		250		mg/Kg		11/07/22 15:31	11/09/22 03:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:49*	*5*
o-Terphenyl	*102*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:49*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**326**		4.99		mg/Kg			11/10/22 02:39	1

Client Sample ID: AH-5 (1-1.5')

Lab Sample ID: 890-3380-35
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/08/22 15:14	11/12/22 16:00	1
Toluene	**0.00587**		0.00200		mg/Kg		11/08/22 15:14	11/12/22 16:00	1
Ethylbenzene	**0.0940**		0.00200		mg/Kg		11/08/22 15:14	11/12/22 16:00	1
m-Xylene & p-Xylene	**0.0740**		0.00401		mg/Kg		11/08/22 15:14	11/12/22 16:00	1
o-Xylene	**0.214**		0.00200		mg/Kg		11/08/22 15:14	11/12/22 16:00	1
Xylenes, Total	**0.288**		0.00401		mg/Kg		11/08/22 15:14	11/12/22 16:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (1-1.5')

Lab Sample ID: 890-3380-35
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*390*	*S1+*	*70 - 130*	*11/08/22 15:14*	*11/12/22 16:00*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/08/22 15:14*	*11/12/22 16:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.388**		0.00401		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6610**		249		mg/Kg			11/09/22 09:57	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	<249	U	249		mg/Kg		11/07/22 15:31	11/09/22 04:11	5
Diesel Range Organics (Over C10-C28)	**5880**		249		mg/Kg		11/07/22 15:31	11/09/22 04:11	5
Oil Range Organics (Over C28-C36)	**729**		249		mg/Kg		11/07/22 15:31	11/09/22 04:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*120*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:11*	*5*
o-Terphenyl	*111*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:11*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		4.98		mg/Kg			11/10/22 02:46	1

Client Sample ID: AH-5 (2-2.5')

Lab Sample ID: 890-3380-36
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.204**		0.0401		mg/Kg		11/14/22 09:17	11/14/22 12:21	20
Toluene	**0.0665**		0.0401		mg/Kg		11/14/22 09:17	11/14/22 12:21	20
Ethylbenzene	**0.615**		0.0401		mg/Kg		11/14/22 09:17	11/14/22 12:21	20
m-Xylene & p-Xylene	**1.21**		0.0802		mg/Kg		11/14/22 09:17	11/14/22 12:21	20
o-Xylene	**1.19**		0.0401		mg/Kg		11/14/22 09:17	11/14/22 12:21	20
Xylenes, Total	**2.40**		0.0802		mg/Kg		11/14/22 09:17	11/14/22 12:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*11/14/22 09:17*	*11/14/22 12:21*	*20*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/14/22 09:17*	*11/14/22 12:21*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.29**		0.0802		mg/Kg			11/14/22 15:23	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (2-2.5')

Lab Sample ID: 890-3380-36
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4770		50.0		mg/Kg			11/09/22 09:57	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	326		50.0		mg/Kg		11/07/22 15:31	11/09/22 02:22	1
Diesel Range Organics (Over C10-C28)	3940		50.0		mg/Kg		11/07/22 15:31	11/09/22 02:22	1
Oil Range Organics (Over C28-C36)	501		50.0		mg/Kg		11/07/22 15:31	11/09/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*11/07/22 15:31*	*11/09/22 02:22*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/07/22 15:31*	*11/09/22 02:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		5.02		mg/Kg			11/10/22 02:53	1

Client Sample ID: AH-5 (3-3.5')

Lab Sample ID: 890-3380-37
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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		11/08/22 15:14	11/12/22 16:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 16:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 16:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 16:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 16:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/08/22 15:14*	*11/12/22 16:21*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/08/22 15:14*	*11/12/22 16:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	551		49.9		mg/Kg			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 04:54	1
Diesel Range Organics (Over C10-C28)	489		49.9		mg/Kg		11/07/22 15:31	11/09/22 04:54	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (3-3.5')

Lab Sample ID: 890-3380-37
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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)	**61.9**		49.9		mg/Kg		11/07/22 15:31	11/09/22 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:54*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/07/22 15:31*	*11/09/22 04:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		25.0		mg/Kg			11/10/22 03:01	5

Client Sample ID: AH-5 (4-4.5')

Lab Sample ID: 890-3380-38
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 15:14	11/12/22 16:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:14	11/12/22 16:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 15:14	11/12/22 16:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 15:14	11/12/22 16:42	1
o-Xylene	**0.00672**		0.00201		mg/Kg		11/08/22 15:14	11/12/22 16:42	1
Xylenes, Total	**0.00672**		0.00402		mg/Kg		11/08/22 15:14	11/12/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/08/22 15:14*	*11/12/22 16:42*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/08/22 15:14*	*11/12/22 16:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00672**		0.00402		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**86.8**		49.9		mg/Kg			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 01:38	1
Diesel Range Organics (Over C10-C28)	**86.8**		49.9		mg/Kg		11/07/22 15:31	11/09/22 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*11/07/22 15:31*	*11/09/22 01:38*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/07/22 15:31*	*11/09/22 01:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**900**		5.00		mg/Kg			11/10/22 03:08	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-6 (.5-1')

Lab Sample ID: 890-3380-39
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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		11/08/22 15:14	11/12/22 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 17:03	1
o-Xylene	**0.0101**		0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:03	1
Xylenes, Total	**0.0101**		0.00398		mg/Kg		11/08/22 15:14	11/12/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:03*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0101**		0.00398		mg/Kg			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1850**		50.0		mg/Kg			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 03:06	1
Diesel Range Organics (Over C10-C28)	**1610**		50.0		mg/Kg		11/07/22 15:31	11/09/22 03:06	1
Oil Range Organics (Over C28-C36)	**235**		50.0		mg/Kg		11/07/22 15:31	11/09/22 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:06*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/07/22 15:31*	*11/09/22 03:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		4.99		mg/Kg			11/10/22 03:15	1

Client Sample ID: AH-6 (1-1.5')

Lab Sample ID: 890-3380-40
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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		11/08/22 15:14	11/12/22 17:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 17:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/22 15:14	11/12/22 17:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/22 15:14	11/12/22 17:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-6 (1-1.5')

Lab Sample ID: 890-3380-40
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:24*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/08/22 15:14*	*11/12/22 17:24*	*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			11/14/22 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**116**		50.0		mg/Kg			11/09/22 09:57	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	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 05:39	1
Diesel Range Organics (Over C10-C28)	**116**		50.0		mg/Kg		11/07/22 15:31	11/09/22 05:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/09/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/07/22 15:31*	*11/09/22 05:39*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/07/22 15:31*	*11/09/22 05:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.6**		5.00		mg/Kg			11/10/22 13:33	1

Client Sample ID: AH-6 (2-2.5')

Lab Sample ID: 890-3380-41
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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		11/08/22 16:11	11/12/22 10:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 10:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 10:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/08/22 16:11	11/12/22 10:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 10:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/08/22 16:11	11/12/22 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/08/22 16:11*	*11/12/22 10:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/08/22 16:11*	*11/12/22 10:15*	*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			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**109**		49.9		mg/Kg			11/09/22 09:57	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-6 (2-2.5')

Lab Sample ID: 890-3380-41
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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		11/07/22 15:31	11/09/22 00:54	1
Diesel Range Organics (Over C10-C28)	**109**		49.9		mg/Kg		11/07/22 15:31	11/09/22 00:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 15:31	11/09/22 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:54*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/07/22 15:31*	*11/09/22 00:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		4.95		mg/Kg			11/10/22 13:48	1

Client Sample ID: AH-6 (3-3.5')

Lab Sample ID: 890-3380-42
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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		11/08/22 16:11	11/12/22 10:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/08/22 16:11	11/12/22 10:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/08/22 16:11	11/12/22 10:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/08/22 16:11	11/12/22 10:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/08/22 16:11	11/12/22 10:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/08/22 16:11	11/12/22 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/08/22 16:11*	*11/12/22 10:36*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/08/22 16:11*	*11/12/22 10:36*	*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			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:02	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		11/07/22 16:57	11/11/22 03:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		11/07/22 16:57	11/11/22 03:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 16:57	11/11/22 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*11/07/22 16:57*	*11/11/22 03:19*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/07/22 16:57*	*11/11/22 03:19*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-6 (3-3.5')

Lab Sample ID: 890-3380-42
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.9**		4.99		mg/Kg			11/10/22 13:53	1

Client Sample ID: AH-6 (4-4.5')

Lab Sample ID: 890-3380-43
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 16:11	11/12/22 12:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/22 16:11	11/12/22 12:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/22 16:11	11/12/22 12:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/22 16:11	11/12/22 12:25	1
o-Xylene	**0.00248**		0.00201		mg/Kg		11/08/22 16:11	11/12/22 12:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/22 16:11	11/12/22 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/08/22 16:11*	*11/12/22 12:25*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/08/22 16:11*	*11/12/22 12:25*	*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			11/14/22 11:06	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			11/14/22 15:02	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		11/07/22 16:57	11/11/22 03:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		11/07/22 16:57	11/11/22 03:39	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 16:57	11/11/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/07/22 16:57*	*11/11/22 03:39*	*1*
o-Terphenyl	*122*		*70 - 130*	*11/07/22 16:57*	*11/11/22 03:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		4.97		mg/Kg			11/10/22 13:58	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (.5-1')

Lab Sample ID: 890-3380-44
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: .5 - 1

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		11/08/22 16:11	11/12/22 12:46	1
Toluene	**0.0291**		0.00199		mg/Kg		11/08/22 16:11	11/12/22 12:46	1
Ethylbenzene	**0.0659**		0.00199		mg/Kg		11/08/22 16:11	11/12/22 12:46	1
m-Xylene & p-Xylene	**0.242**		0.00398		mg/Kg		11/08/22 16:11	11/12/22 12:46	1
o-Xylene	**0.156**		0.00199		mg/Kg		11/08/22 16:11	11/12/22 12:46	1
Xylenes, Total	**0.398**		0.00398		mg/Kg		11/08/22 16:11	11/12/22 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*11/08/22 16:11*	*11/12/22 12:46*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/08/22 16:11*	*11/12/22 12:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.493**		0.00398		mg/Kg			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**8550**		250		mg/Kg			11/14/22 15:02	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	**586**		250		mg/Kg		11/07/22 16:57	11/11/22 05:05	5
Diesel Range Organics (Over C10-C28)	**7960**	***-**	250		mg/Kg		11/07/22 16:57	11/11/22 05:05	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		11/07/22 16:57	11/11/22 05:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 05:05*	*5*
o-Terphenyl	*116*		*70 - 130*	*11/07/22 16:57*	*11/11/22 05:05*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.7**		4.96		mg/Kg			11/10/22 14:03	1

Client Sample ID: AH-7 (1-1.5')

Lab Sample ID: 890-3380-45
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		11/08/22 16:11	11/12/22 14:08	20
Toluene	**0.779**		0.0399		mg/Kg		11/08/22 16:11	11/12/22 14:08	20
Ethylbenzene	**7.12**		0.0399		mg/Kg		11/08/22 16:11	11/12/22 14:08	20
m-Xylene & p-Xylene	**13.1**		0.0798		mg/Kg		11/08/22 16:11	11/12/22 14:08	20
o-Xylene	**5.96**		0.0399		mg/Kg		11/08/22 16:11	11/12/22 14:08	20
Xylenes, Total	**19.1**		0.0798		mg/Kg		11/08/22 16:11	11/12/22 14:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/08/22 16:11*	*11/12/22 14:08*	*20*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (1-1.5')

Lab Sample ID: 890-3380-45
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 1 - 1.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/08/22 16:11*	*11/12/22 14:08*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**27.0**		0.0798		mg/Kg			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5130**		49.9		mg/Kg			11/14/22 15:02	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	**1080**		49.9		mg/Kg		11/07/22 16:57	11/11/22 04:00	1
Diesel Range Organics (Over C10-C28)	**4050**	***-**	49.9		mg/Kg		11/07/22 16:57	11/11/22 04:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 16:57	11/11/22 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 04:00*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/07/22 16:57*	*11/11/22 04:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.0**		5.00		mg/Kg			11/10/22 14:18	1

Client Sample ID: AH-7 (2-2.5')

Lab Sample ID: 890-3380-46
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		11/08/22 16:11	11/12/22 14:28	20
Toluene	**2.09**		0.0398		mg/Kg		11/08/22 16:11	11/12/22 14:28	20
Ethylbenzene	**16.0**		0.398		mg/Kg		11/14/22 10:31	11/14/22 23:51	200
m-Xylene & p-Xylene	**26.9**		0.797		mg/Kg		11/14/22 10:31	11/14/22 23:51	200
o-Xylene	**10.8**		0.398		mg/Kg		11/14/22 10:31	11/14/22 23:51	200
Xylenes, Total	**37.7**		0.797		mg/Kg		11/14/22 10:31	11/14/22 23:51	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*247*	*S1+*	*70 - 130*	*11/08/22 16:11*	*11/12/22 14:28*	*20*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*11/08/22 16:11*	*11/12/22 14:28*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**55.8**		0.797		mg/Kg			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6030**		49.9		mg/Kg			11/14/22 15:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (2-2.5')

Lab Sample ID: 890-3380-46
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 2 - 2.5

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	1630		49.9		mg/Kg		11/07/22 16:57	11/11/22 04:22	1
Diesel Range Organics (Over C10-C28)	4400	*-	49.9		mg/Kg		11/07/22 16:57	11/11/22 04:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 16:57	11/11/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 04:22*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/07/22 16:57*	*11/11/22 04:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.3		4.98		mg/Kg			11/10/22 14:23	1

Client Sample ID: AH-7 (3-3.5')

Lab Sample ID: 890-3380-47
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0400	U	0.0400		mg/Kg		11/08/22 16:11	11/12/22 14:48	20
Toluene	1.46		0.0400		mg/Kg		11/08/22 16:11	11/12/22 14:48	20
Ethylbenzene	16.6		0.402		mg/Kg		11/14/22 10:31	11/15/22 00:12	200
m-Xylene & p-Xylene	25.9		0.803		mg/Kg		11/14/22 10:31	11/15/22 00:12	200
o-Xylene	10.1		0.402		mg/Kg		11/14/22 10:31	11/15/22 00:12	200
Xylenes, Total	36.0		0.803		mg/Kg		11/14/22 10:31	11/15/22 00:12	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*11/08/22 16:11*	*11/12/22 14:48*	*20*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/08/22 16:11*	*11/12/22 14:48*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	54.1		0.803		mg/Kg			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4660		50.0		mg/Kg			11/14/22 15:02	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	1350		50.0		mg/Kg		11/07/22 16:57	11/11/22 04:43	1
Diesel Range Organics (Over C10-C28)	3310	*-	50.0		mg/Kg		11/07/22 16:57	11/11/22 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 16:57	11/11/22 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 04:43*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/07/22 16:57*	*11/11/22 04:43*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (3-3.5')

Lab Sample ID: 890-3380-47
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 3 - 3.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.4		5.05		mg/Kg			11/10/22 14:28	1

Client Sample ID: AH-7 (4-4.5')

Lab Sample ID: 890-3380-48
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41
Sample Depth: 4 - 4.5

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		11/08/22 16:11	11/12/22 13:06	1
Toluene	0.0213		0.00202		mg/Kg		11/08/22 16:11	11/12/22 13:06	1
Ethylbenzene	0.106		0.00202		mg/Kg		11/08/22 16:11	11/12/22 13:06	1
m-Xylene & p-Xylene	0.211		0.00403		mg/Kg		11/08/22 16:11	11/12/22 13:06	1
o-Xylene	0.110		0.00202		mg/Kg		11/08/22 16:11	11/12/22 13:06	1
Xylenes, Total	0.321		0.00403		mg/Kg		11/08/22 16:11	11/12/22 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/08/22 16:11*	*11/12/22 13:06*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/08/22 16:11*	*11/12/22 13:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.448		0.00403		mg/Kg			11/14/22 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	300		50.0		mg/Kg			11/14/22 15:02	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	109		50.0		mg/Kg		11/07/22 16:57	11/11/22 05:26	1
Diesel Range Organics (Over C10-C28)	191	*-	50.0		mg/Kg		11/07/22 16:57	11/11/22 05:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 16:57	11/11/22 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 05:26*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/11/22 05:26*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		25.1		mg/Kg			11/11/22 10:55	5

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
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 (70-130)	DFBZ1 (70-130)										
880-21091-A-1-B MS	Matrix Spike	102	106										
880-21091-A-1-C MSD	Matrix Spike Duplicate	95	107										
890-3380-1	H-1	85	91										
890-3380-1 MS	H-1	87	107										
890-3380-1 MSD	H-1	86	109										
890-3380-2	H-2	95	99										
890-3380-3	H-3	94	108										
890-3380-4	H-4	104	112										
890-3380-5	H-5	63 S1-	92										
890-3380-6	H-6	88	106										
890-3380-7	H-7	100	108										
890-3380-8	H-8	95	106										
890-3380-9	H-9	85	99										
890-3380-10	H-10	77	98										
890-3380-11	H-11	89	102										
890-3380-12	H-12	88	100										
890-3380-13	H-13	94	102										
890-3380-14	AH-1 (.5-1')	94	102										
890-3380-15	AH-1 (1-1.5')	97	102										
890-3380-16	AH-1 (2-2.5')	102	108										
890-3380-17	AH-1 (3-3.5')	96	109										
890-3380-18	AH-1 (4-4.5')	85	99										
890-3380-19	AH-2 (.5-1)	92	114										
890-3380-20	AH-2 (1-1.5')	93	107										
890-3380-21	AH-2 (2-2.5')	98	104										
890-3380-21 MS	AH-2 (2-2.5')	107	92										
890-3380-21 MSD	AH-2 (2-2.5')	87	101										
890-3380-22	AH-2 (3-3.5')	106	116										
890-3380-23	AH-2 (4-4.5')	36 S1-	92										
890-3380-24	AH-3 (.5-1')	97	107										
890-3380-25	AH-3 (1-1.5')	126	97										
890-3380-26	AH-3 (2-2.5')	110	114										
890-3380-27	AH-3 (3-3.5')	101	115										
890-3380-29	AH-4 (.5-1')	104	113										
890-3380-30	AH-4 (1-1.5')	103	108										
890-3380-31	AH-4 (2-2.5')	114	107										
890-3380-32	AH-4 (3-3.5')	101	114										
890-3380-33	AH-4 (4-4.5')	88	96										
890-3380-34	AH-5 (.5-1')	213 S1+	99										
890-3380-35	AH-5 (1-1.5')	390 S1+	96										
890-3380-36	AH-5 (2-2.5')	186 S1+	101										
890-3380-37	AH-5 (3-3.5')	98	100										
890-3380-38	AH-5 (4-4.5')	103	107										
890-3380-39	AH-6 (.5-1')	88	98										
890-3380-40	AH-6 (1-1.5')	102	106										
890-3380-41	AH-6 (2-2.5')	116	103										
890-3380-42	AH-6 (3-3.5')	111	109										
890-3380-43	AH-6 (4-4.5')	87	101										
890-3380-44	AH-7 (.5-1')	81	80										

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Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery 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)
890-3380-45	AH-7 (1-1.5')	126	72
890-3380-46	AH-7 (2-2.5')	247 S1+	84
890-3380-47	AH-7 (3-3.5')	167 S1+	80
890-3380-48	AH-7 (4-4.5')	100	97
890-3437-A-1-B MS	Matrix Spike	91	103
890-3437-A-1-C MSD	Matrix Spike Duplicate	92	106
890-3437-A-6-C MS	Matrix Spike	106	108
890-3437-A-6-D MSD	Matrix Spike Duplicate	90	115
LCS 880-39022/1-A	Lab Control Sample	98	107
LCS 880-39023/1-A	Lab Control Sample	95	106
LCS 880-39027/1-A	Lab Control Sample	106	95
LCS 880-39397/1-A	Lab Control Sample	98	104
LCS 880-39423/1-A	Lab Control Sample	105	111
LCSD 880-39022/2-A	Lab Control Sample Dup	92	109
LCSD 880-39023/2-A	Lab Control Sample Dup	86	103
LCSD 880-39027/2-A	Lab Control Sample Dup	105	92
LCSD 880-39397/2-A	Lab Control Sample Dup	91	102
LCSD 880-39423/2-A	Lab Control Sample Dup	96	118
MB 880-39022/5-A	Method Blank	60 S1-	99
MB 880-39023/5-A	Method Blank	90	98
MB 880-39027/5-A	Method Blank	78	107
MB 880-39129/5-A	Method Blank	91	100
MB 880-39319/5-A	Method Blank	83	104
MB 880-39392/8	Method Blank	84	100
MB 880-39397/5-A	Method Blank	97	96
MB 880-39423/5-A	Method Blank	88	98

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)
880-21192-A-8-C MS	Matrix Spike	108	95
880-21192-A-8-D MSD	Matrix Spike Duplicate	108	92
890-3380-1	H-1	98	100
890-3380-1 MS	H-1	101	90
890-3380-1 MSD	H-1	99	89
890-3380-2	H-2	102	101
890-3380-3	H-3	105	106
890-3380-4	H-4	115	116
890-3380-5	H-5	102	103
890-3380-6	H-6	107	106
890-3380-7	H-7	111	115
890-3380-8	H-8	96	97
890-3380-9	H-9	118	119
890-3380-10	H-10	105	104

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-3380-11	H-11	110	110								
890-3380-12	H-12	112	113								
890-3380-13	H-13	107	106								
890-3380-14	AH-1 (.5-1')	109	112								
890-3380-15	AH-1 (1-1.5')	99	97								
890-3380-16	AH-1 (2-2.5')	104	106								
890-3380-17	AH-1 (3-3.5')	120	124								
890-3380-18	AH-1 (4-4.5')	111	113								
890-3380-19	AH-2 (.5-1)	110	110								
890-3380-20	AH-2 (1-1.5')	109	111								
890-3380-21	AH-2 (2-2.5')	91	93								
890-3380-21 MS	AH-2 (2-2.5')	100	92								
890-3380-21 MSD	AH-2 (2-2.5')	97	89								
890-3380-22	AH-2 (3-3.5')	105	103								
890-3380-23	AH-2 (4-4.5')	91	91								
890-3380-24	AH-3 (.5-1')	89	85								
890-3380-25	AH-3 (1-1.5')	97	95								
890-3380-26	AH-3 (2-2.5')	92	92								
890-3380-27	AH-3 (3-3.5')	97	97								
890-3380-29	AH-4 (.5-1')	101	97								
890-3380-30	AH-4 (1-1.5')	105	101								
890-3380-31	AH-4 (2-2.5')	114	115								
890-3380-32	AH-4 (3-3.5')	111	111								
890-3380-33	AH-4 (4-4.5')	107	105								
890-3380-34	AH-5 (.5-1')	118	102								
890-3380-35	AH-5 (1-1.5')	120	111								
890-3380-36	AH-5 (2-2.5')	133 S1+	121								
890-3380-37	AH-5 (3-3.5')	94	93								
890-3380-38	AH-5 (4-4.5')	128	129								
890-3380-39	AH-6 (.5-1')	89	86								
890-3380-40	AH-6 (1-1.5')	96	96								
890-3380-41	AH-6 (2-2.5')	107	107								
890-3380-42	AH-6 (3-3.5')	123	121								
890-3380-43	AH-6 (4-4.5')	126	122								
890-3380-44	AH-7 (.5-1')	137 S1+	116								
890-3380-45	AH-7 (1-1.5')	139 S1+	103								
890-3380-46	AH-7 (2-2.5')	143 S1+	110								
890-3380-47	AH-7 (3-3.5')	143 S1+	112								
890-3380-48	AH-7 (4-4.5')	144 S1+	132 S1+								
LCS 880-38889/2-A	Lab Control Sample	106	114								
LCS 880-38906/2-A	Lab Control Sample	107	114								
LCS 880-38926/2-A	Lab Control Sample	113	119								
LCSD 880-38889/3-A	Lab Control Sample Dup	101	109								
LCSD 880-38906/3-A	Lab Control Sample Dup	93	95								
LCSD 880-38926/3-A	Lab Control Sample Dup	105	108								
MB 880-38889/1-A	Method Blank	132 S1+	143 S1+								
MB 880-38906/1-A	Method Blank	124	133 S1+								
MB 880-38926/1-A	Method Blank	149 S1+	140 S1+								

Surrogate Legend

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39022/5-A
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/22 15:10	11/11/22 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:10	11/11/22 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/22 15:10	11/11/22 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*11/08/22 15:10*	*11/11/22 18:42*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/08/22 15:10*	*11/11/22 18:42*	*1*

Lab Sample ID: LCS 880-39022/1-A
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1090		mg/Kg		109	70 - 130
Toluene	0.100	0.1176		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1085		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2410		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-39022/2-A
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09249		mg/Kg		92	70 - 130	16	35
Toluene	0.100	0.1023		mg/Kg		102	70 - 130	14	35
Ethylbenzene	0.100	0.09403		mg/Kg		94	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2099		mg/Kg		105	70 - 130	14	35
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-3380-1 MS
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 39022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.08318		mg/Kg		83	70 - 130
Toluene	<0.00201	U	0.101	0.08774		mg/Kg		87	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-1 MS
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 39022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.07742		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1709		mg/Kg		85	70 - 130
o-Xylene	<0.00201	U	0.101	0.08569		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-3380-1 MSD
Matrix: Solid
Analysis Batch: 39343

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 39022

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08031		mg/Kg		81	70 - 130	4	35
Toluene	<0.00201	U	0.0990	0.08123		mg/Kg		82	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0990	0.07213		mg/Kg		73	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1577		mg/Kg		80	70 - 130	8	35
o-Xylene	<0.00201	U	0.0990	0.08151		mg/Kg		82	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-39023/5-A
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 10:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 10:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/22 15:14	11/12/22 10:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 15:14	11/12/22 10:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/22 15:14	11/12/22 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/08/22 15:14*	*11/12/22 10:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/08/22 15:14*	*11/12/22 10:46*	*1*

Lab Sample ID: LCS 880-39023/1-A
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08792		mg/Kg		88	70 - 130
Toluene	0.100	0.08877		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08868		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1809		mg/Kg		90	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39023/1-A
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39023

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1044		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-39023/2-A
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39023

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08604		mg/Kg		86	70 - 130	2	35
Toluene			0.100	0.08261		mg/Kg		83	70 - 130	7	35
Ethylbenzene			0.100	0.07714		mg/Kg		77	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1477		mg/Kg		74	70 - 130	20	35
o-Xylene			0.100	0.08756		mg/Kg		88	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-3380-21 MS
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: AH-2 (2-2.5')
Prep Type: Total/NA
Prep Batch: 39023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1 F2	0.0998	0.04416	F1	mg/Kg		44	70 - 130		
Toluene	<0.00200	U F1 F2	0.0998	0.05798	F1	mg/Kg		58	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.07681		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1536		mg/Kg		77	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09364		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-3380-21 MSD
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: AH-2 (2-2.5')
Prep Type: Total/NA
Prep Batch: 39023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0990	0.08674	F2	mg/Kg		88	70 - 130	65	35
Toluene	<0.00200	U F1 F2	0.0990	0.08415	F2	mg/Kg		85	70 - 130	37	35
Ethylbenzene	<0.00200	U	0.0990	0.07750		mg/Kg		78	70 - 130	1	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1498		mg/Kg		76	70 - 130	2	35
o-Xylene	<0.00200	U	0.0990	0.08623		mg/Kg		87	70 - 130	8	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-21 MSD
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: AH-2 (2-2.5')
Prep Type: Total/NA
Prep Batch: 39023

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-39027/5-A
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 07:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 07:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 07:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/22 16:11	11/12/22 07:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/22 16:11	11/12/22 07:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/22 16:11	11/12/22 07:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/08/22 16:11	11/12/22 07:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/08/22 16:11	11/12/22 07:03	1

Lab Sample ID: LCS 880-39027/1-A
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07571		mg/Kg		76	70 - 130		
Toluene			0.100	0.09356		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.09403		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1772		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.08717		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-39027/2-A
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07849		mg/Kg		78	70 - 130	4	35
Toluene			0.100	0.09571		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.09765		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1832		mg/Kg		92	70 - 130	3	35
o-Xylene			0.100	0.09148		mg/Kg		91	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-39027/2-A
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39027

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-21091-A-1-B MS
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 39027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.06156	F1	mg/Kg		61	70 - 130
Toluene	<0.00201	U F1	0.100	0.04801	F1	mg/Kg		48	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.02010	F1	mg/Kg		20	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.07030	F1	mg/Kg		35	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.04233	F1	mg/Kg		42	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-21091-A-1-C MSD
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.06863	F1	mg/Kg		69	70 - 130	11	35
Toluene	<0.00201	U F1	0.0996	0.05319	F1	mg/Kg		53	70 - 130	10	35
Ethylbenzene	<0.00201	U F1	0.0996	0.02587	F1	mg/Kg		26	70 - 130	25	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.07210	F1	mg/Kg		36	70 - 130	3	35
o-Xylene	<0.00201	U F1	0.0996	0.04135	F1	mg/Kg		42	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-39129/5-A
Matrix: Solid
Analysis Batch: 39277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:20	11/11/22 23:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:20	11/11/22 23:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:20	11/11/22 23:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/22 15:20	11/11/22 23:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:20	11/11/22 23:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 15:20	11/11/22 23:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/09/22 15:20	11/11/22 23:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/09/22 15:20	11/11/22 23:57	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39319/5-A
Matrix: Solid
Analysis Batch: 39341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/22 10:54	11/11/22 19:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/11/22 10:54	11/11/22 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/11/22 10:54	11/11/22 19:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*11/11/22 10:54*	*11/11/22 19:27*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/11/22 10:54*	*11/11/22 19:27*	*1*

Lab Sample ID: MB 880-39392/8
Matrix: Solid
Analysis Batch: 39392

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			11/14/22 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			11/14/22 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*11/14/22 10:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*11/14/22 10:51*	*1*

Lab Sample ID: MB 880-39397/5-A
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 09:17	11/14/22 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/14/22 09:17*	*11/14/22 11:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/14/22 09:17*	*11/14/22 11:38*	*1*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39397/1-A
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39397

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09477		mg/Kg		95	70 - 130		
Toluene			0.100	0.09255		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09258		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1807		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-39397/2-A
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39397

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09949		mg/Kg		99	70 - 130	5	35
Toluene			0.100	0.09924		mg/Kg		99	70 - 130	7	35
Ethylbenzene			0.100	0.09918		mg/Kg		99	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1870		mg/Kg		94	70 - 130	3	35
o-Xylene			0.100	0.1048		mg/Kg		105	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-3437-A-1-B MS
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 39397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.100	0.09585		mg/Kg		94	70 - 130		
Toluene	<0.00202	U	0.100	0.09451		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00202	U	0.100	0.09411		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1797		mg/Kg		90	70 - 130		
o-Xylene	<0.00202	U	0.100	0.09857		mg/Kg		98	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-3437-A-1-C MSD
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0992	0.09397		mg/Kg		93	70 - 130	2	35
Toluene	<0.00202	U	0.0992	0.09357		mg/Kg		94	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.0992	0.09154		mg/Kg		92	70 - 130	3	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3437-A-1-C MSD
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1760		mg/Kg		89	70 - 130	2	35
o-Xylene	<0.00202	U	0.0992	0.09711		mg/Kg		98	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-39423/5-A
Matrix: Solid
Analysis Batch: 39392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 10:31	11/14/22 21:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/14/22 10:31*	*11/14/22 21:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/14/22 10:31*	*11/14/22 21:27*	*1*

Lab Sample ID: LCS 880-39423/1-A
Matrix: Solid
Analysis Batch: 39392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09588		mg/Kg		96	70 - 130
Toluene	0.100	0.08789		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09592		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09675		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-39423/2-A
Matrix: Solid
Analysis Batch: 39392

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1146		mg/Kg		115	70 - 130	18	35
Toluene	0.100	0.09656		mg/Kg		97	70 - 130	9	35
Ethylbenzene	0.100	0.09341		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1911		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09485		mg/Kg		95	70 - 130	2	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 890-3437-A-6-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39392 — **Prep Batch: 39423**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.08426		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.0996	0.07831		mg/Kg		78	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.08321		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1732		mg/Kg		85	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08483		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-3437-A-6-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39392 — **Prep Batch: 39423**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1023		mg/Kg		103	70 - 130	19	35
Toluene	<0.00202	U	0.0990	0.08423		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0990	0.08105		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1655		mg/Kg		82	70 - 130	5	35
o-Xylene	<0.00202	U	0.0990	0.08111		mg/Kg		80	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-38889/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38946 — **Prep Batch: 38889**

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		11/07/22 14:21	11/08/22 09:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 09:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 14:21	11/08/22 09:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	11/07/22 14:21	11/08/22 09:11	1
o-Terphenyl	143	S1+	70 - 130	11/07/22 14:21	11/08/22 09:11	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-38889/2-A
Matrix: Solid
Analysis Batch: 38946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38889

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	850.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	817.6		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: LCSD 880-38889/3-A
Matrix: Solid
Analysis Batch: 38946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38889

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	870.1		mg/Kg		87	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	777.5		mg/Kg		78	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 890-3380-1 MS
Matrix: Solid
Analysis Batch: 38946

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 38889

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	1035		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	894.3		mg/Kg		90	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 890-3380-1 MSD
Matrix: Solid
Analysis Batch: 38946

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 38889

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	999	1013		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	888.3		mg/Kg		89	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-1 MSD
Matrix: Solid
Analysis Batch: 38946

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 38889

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	89		70 - 130

Lab Sample ID: MB 880-38906/1-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38906

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		11/07/22 15:31	11/08/22 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 20:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 15:31	11/08/22 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	11/07/22 15:31	11/08/22 20:34	1
o-Terphenyl	133	S1+	70 - 130	11/07/22 15:31	11/08/22 20:34	1

Lab Sample ID: LCS 880-38906/2-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38906

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	864.0		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-38906/3-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38906

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	930.1		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	866.1		mg/Kg		87	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-21 MS — **Client Sample ID: AH-2 (2-2.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38949 — **Prep Batch: 38906**

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	983.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1034		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-3380-21 MSD — **Client Sample ID: AH-2 (2-2.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38949 — **Prep Batch: 38906**

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	999	913.4		mg/Kg		90	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1010		mg/Kg		101	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: MB 880-38926/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39161 — **Prep Batch: 38926**

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		11/07/22 16:57	11/10/22 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 16:57	11/10/22 20:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 16:57	11/10/22 20:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/10/22 20:43*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*11/07/22 16:57*	*11/10/22 20:43*	*1*

Lab Sample ID: LCS 880-38926/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39161 — **Prep Batch: 38926**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	799.0		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	760.3		mg/Kg		76	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-38926/2-A
Matrix: Solid
Analysis Batch: 39161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38926

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-38926/3-A
Matrix: Solid
Analysis Batch: 39161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38926

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	767.1		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	684.4	*-	mg/Kg		68	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-21192-A-8-C MS
Matrix: Solid
Analysis Batch: 39161

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38926

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	1070		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *-	997	903.4		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-21192-A-8-D MSD
Matrix: Solid
Analysis Batch: 39161

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 38926

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	999	1058		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *-	999	892.7		mg/Kg		89	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	92		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38845/1-A
Matrix: Solid
Analysis Batch: 39041

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			11/09/22 23:46	1

Lab Sample ID: LCS 880-38845/2-A
Matrix: Solid
Analysis Batch: 39041

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.7		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-38845/3-A
Matrix: Solid
Analysis Batch: 39041

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	273.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-3380-20 MS
Matrix: Solid
Analysis Batch: 39041

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	181	F1	250	456.4		mg/Kg		110	90 - 110		

Lab Sample ID: 890-3380-20 MSD
Matrix: Solid
Analysis Batch: 39041

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	181	F1	250	458.0	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: 890-3380-31 MS
Matrix: Solid
Analysis Batch: 39041

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	244	F1	248	544.8	F1	mg/Kg		122	90 - 110		

Lab Sample ID: 890-3380-31 MSD
Matrix: Solid
Analysis Batch: 39041

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	244	F1	248	542.8	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: MB 880-38844/1-A
Matrix: Solid
Analysis Batch: 39042

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			11/10/22 21:18	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-38844/2-A
Matrix: Solid
Analysis Batch: 39042

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-38844/3-A
Matrix: Solid
Analysis Batch: 39042

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	261.8		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-3380-10 MS
Matrix: Solid
Analysis Batch: 39042

Client Sample ID: H-10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.1		250	272.3		mg/Kg		103	90 - 110

Lab Sample ID: 890-3380-10 MSD
Matrix: Solid
Analysis Batch: 39042

Client Sample ID: H-10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.1		250	281.2		mg/Kg		106	90 - 110	3	20

Lab Sample ID: MB 880-38846/1-A
Matrix: Solid
Analysis Batch: 39043

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			11/10/22 13:18	1

Lab Sample ID: LCS 880-38846/2-A
Matrix: Solid
Analysis Batch: 39043

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-38846/3-A
Matrix: Solid
Analysis Batch: 39043

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	266.8		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-3380-40 MS
Matrix: Solid
Analysis Batch: 39043

Client Sample ID: AH-6 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	44.6		250	305.4		mg/Kg		104	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3380-40 MSD
Matrix: Solid
Analysis Batch: 39043

Client Sample ID: AH-6 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	44.6		250	305.8		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC VOA

Prep Batch: 39022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	5035	
890-3380-2	H-2	Total/NA	Solid	5035	
890-3380-3	H-3	Total/NA	Solid	5035	
890-3380-4	H-4	Total/NA	Solid	5035	
890-3380-5	H-5	Total/NA	Solid	5035	
890-3380-6	H-6	Total/NA	Solid	5035	
890-3380-7	H-7	Total/NA	Solid	5035	
890-3380-8	H-8	Total/NA	Solid	5035	
890-3380-9	H-9	Total/NA	Solid	5035	
890-3380-10	H-10	Total/NA	Solid	5035	
890-3380-11	H-11	Total/NA	Solid	5035	
890-3380-12	H-12	Total/NA	Solid	5035	
890-3380-13	H-13	Total/NA	Solid	5035	
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	5035	
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	5035	
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	5035	
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	5035	
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	5035	
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	5035	
MB 880-39022/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39022/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39022/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3380-1 MS	H-1	Total/NA	Solid	5035	
890-3380-1 MSD	H-1	Total/NA	Solid	5035	

Prep Batch: 39023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	5035	
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	5035	
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	5035	
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	5035	
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	5035	
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	5035	
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	5035	
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	5035	
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	5035	
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	5035	
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	5035	
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	5035	
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	5035	
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	5035	
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	5035	
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	5035	
MB 880-39023/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39023/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39023/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3380-21 MS	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-3380-21 MSD	AH-2 (2-2.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC VOA

Prep Batch: 39027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	5035	
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	5035	
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	5035	
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	5035	
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	5035	
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	5035	
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	5035	
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	5035	
MB 880-39027/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39027/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39027/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21091-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-21091-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 39129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39129/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	8021B	39023
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	8021B	39023
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	8021B	39023
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	8021B	39023
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	8021B	39023
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	8021B	39023
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	8021B	39023
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	8021B	39023
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	8021B	39023
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	8021B	39023
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	8021B	39023
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	8021B	39023
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	8021B	39023
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	8021B	39023
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	8021B	39023
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	8021B	39023
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	8021B	39023
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	8021B	39023
MB 880-39023/5-A	Method Blank	Total/NA	Solid	8021B	39023
MB 880-39129/5-A	Method Blank	Total/NA	Solid	8021B	39129
LCS 880-39023/1-A	Lab Control Sample	Total/NA	Solid	8021B	39023
LCSD 880-39023/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39023
890-3380-21 MS	AH-2 (2-2.5')	Total/NA	Solid	8021B	39023
890-3380-21 MSD	AH-2 (2-2.5')	Total/NA	Solid	8021B	39023

Prep Batch: 39319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39319/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC VOA

Analysis Batch: 39341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	8021B	39027
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	8021B	39027
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	8021B	39027
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	8021B	39027
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	8021B	39027
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	8021B	39027
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	8021B	39027
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	8021B	39027
MB 880-39027/5-A	Method Blank	Total/NA	Solid	8021B	39027
MB 880-39319/5-A	Method Blank	Total/NA	Solid	8021B	39319
LCS 880-39027/1-A	Lab Control Sample	Total/NA	Solid	8021B	39027
LCSD 880-39027/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39027
880-21091-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	39027
880-21091-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	39027

Analysis Batch: 39343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	8021B	39022
890-3380-2	H-2	Total/NA	Solid	8021B	39022
890-3380-3	H-3	Total/NA	Solid	8021B	39022
890-3380-4	H-4	Total/NA	Solid	8021B	39022
890-3380-5	H-5	Total/NA	Solid	8021B	39022
890-3380-6	H-6	Total/NA	Solid	8021B	39022
890-3380-7	H-7	Total/NA	Solid	8021B	39022
890-3380-8	H-8	Total/NA	Solid	8021B	39022
890-3380-9	H-9	Total/NA	Solid	8021B	39022
890-3380-10	H-10	Total/NA	Solid	8021B	39022
890-3380-11	H-11	Total/NA	Solid	8021B	39022
890-3380-12	H-12	Total/NA	Solid	8021B	39022
890-3380-13	H-13	Total/NA	Solid	8021B	39022
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	8021B	39022
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	8021B	39022
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	8021B	39022
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	8021B	39022
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	8021B	39022
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	8021B	39022
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	8021B	39022
MB 880-39022/5-A	Method Blank	Total/NA	Solid	8021B	39022
LCS 880-39022/1-A	Lab Control Sample	Total/NA	Solid	8021B	39022
LCSD 880-39022/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39022
890-3380-1 MS	H-1	Total/NA	Solid	8021B	39022
890-3380-1 MSD	H-1	Total/NA	Solid	8021B	39022

Analysis Batch: 39392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	8021B	39423
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	8021B	39423
MB 880-39392/8	Method Blank	Total/NA	Solid	8021B	
MB 880-39423/5-A	Method Blank	Total/NA	Solid	8021B	39423
LCS 880-39423/1-A	Lab Control Sample	Total/NA	Solid	8021B	39423
LCSD 880-39423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39423

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39392 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3437-A-6-C MS	Matrix Spike	Total/NA	Solid	8021B	39423
890-3437-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	39423

Analysis Batch: 39394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	8021B	39397
MB 880-39397/5-A	Method Blank	Total/NA	Solid	8021B	39397
LCS 880-39397/1-A	Lab Control Sample	Total/NA	Solid	8021B	39397
LCSD 880-39397/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39397
890-3437-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	39397
890-3437-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	39397

Prep Batch: 39397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	5035	
MB 880-39397/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39397/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39397/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3437-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-3437-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 39423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	5035	
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	5035	
MB 880-39423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3437-A-6-C MS	Matrix Spike	Total/NA	Solid	5035	
890-3437-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 39430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	Total BTEX	
890-3380-2	H-2	Total/NA	Solid	Total BTEX	
890-3380-3	H-3	Total/NA	Solid	Total BTEX	
890-3380-4	H-4	Total/NA	Solid	Total BTEX	
890-3380-5	H-5	Total/NA	Solid	Total BTEX	
890-3380-6	H-6	Total/NA	Solid	Total BTEX	
890-3380-7	H-7	Total/NA	Solid	Total BTEX	
890-3380-8	H-8	Total/NA	Solid	Total BTEX	
890-3380-9	H-9	Total/NA	Solid	Total BTEX	
890-3380-10	H-10	Total/NA	Solid	Total BTEX	
890-3380-11	H-11	Total/NA	Solid	Total BTEX	
890-3380-12	H-12	Total/NA	Solid	Total BTEX	
890-3380-13	H-13	Total/NA	Solid	Total BTEX	
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	Total BTEX	
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	Total BTEX	
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	Total BTEX	
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	Total BTEX	
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	Total BTEX	
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	Total BTEX	
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	Total BTEX	
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 38889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	8015NM Prep	
890-3380-2	H-2	Total/NA	Solid	8015NM Prep	
890-3380-3	H-3	Total/NA	Solid	8015NM Prep	
890-3380-4	H-4	Total/NA	Solid	8015NM Prep	
890-3380-5	H-5	Total/NA	Solid	8015NM Prep	
890-3380-6	H-6	Total/NA	Solid	8015NM Prep	
890-3380-7	H-7	Total/NA	Solid	8015NM Prep	
890-3380-8	H-8	Total/NA	Solid	8015NM Prep	
890-3380-9	H-9	Total/NA	Solid	8015NM Prep	
890-3380-10	H-10	Total/NA	Solid	8015NM Prep	
890-3380-11	H-11	Total/NA	Solid	8015NM Prep	
890-3380-12	H-12	Total/NA	Solid	8015NM Prep	
890-3380-13	H-13	Total/NA	Solid	8015NM Prep	
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 38889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	8015NM Prep	
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-38889/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38889/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38889/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3380-1 MS	H-1	Total/NA	Solid	8015NM Prep	
890-3380-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 38906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-38906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3380-21 MS	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-21 MSD	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 38926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	8015NM Prep	
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	8015NM Prep	
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	8015NM Prep	
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-38926/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38926/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21192-A-8-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21192-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 38946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	8015B NM	38889
890-3380-2	H-2	Total/NA	Solid	8015B NM	38889
890-3380-3	H-3	Total/NA	Solid	8015B NM	38889
890-3380-4	H-4	Total/NA	Solid	8015B NM	38889
890-3380-5	H-5	Total/NA	Solid	8015B NM	38889
890-3380-6	H-6	Total/NA	Solid	8015B NM	38889
890-3380-7	H-7	Total/NA	Solid	8015B NM	38889
890-3380-8	H-8	Total/NA	Solid	8015B NM	38889
890-3380-9	H-9	Total/NA	Solid	8015B NM	38889
890-3380-10	H-10	Total/NA	Solid	8015B NM	38889
890-3380-11	H-11	Total/NA	Solid	8015B NM	38889
890-3380-12	H-12	Total/NA	Solid	8015B NM	38889
890-3380-13	H-13	Total/NA	Solid	8015B NM	38889
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	8015B NM	38889
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	38889
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	8015B NM	38889
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	8015B NM	38889
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	8015B NM	38889
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	8015B NM	38889
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	8015B NM	38889
MB 880-38889/1-A	Method Blank	Total/NA	Solid	8015B NM	38889
LCS 880-38889/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38889
LCSD 880-38889/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38889
890-3380-1 MS	H-1	Total/NA	Solid	8015B NM	38889
890-3380-1 MSD	H-1	Total/NA	Solid	8015B NM	38889

Analysis Batch: 38949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	38906
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	8015B NM	38906
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	8015B NM	38906
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	8015B NM	38906
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	8015B NM	38906
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	8015B NM	38906
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	8015B NM	38906
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	8015B NM	38906
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	8015B NM	38906
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	8015B NM	38906
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	8015B NM	38906
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	8015B NM	38906
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	8015B NM	38906
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	8015B NM	38906
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	8015B NM	38906
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	8015B NM	38906
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	8015B NM	38906
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	8015B NM	38906
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	8015B NM	38906
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	8015B NM	38906
MB 880-38906/1-A	Method Blank	Total/NA	Solid	8015B NM	38906
LCS 880-38906/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38906
LCSD 880-38906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38906

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 38949 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-21 MS	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	38906
890-3380-21 MSD	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	38906

Analysis Batch: 39077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Total/NA	Solid	8015 NM	
890-3380-2	H-2	Total/NA	Solid	8015 NM	
890-3380-3	H-3	Total/NA	Solid	8015 NM	
890-3380-4	H-4	Total/NA	Solid	8015 NM	
890-3380-5	H-5	Total/NA	Solid	8015 NM	
890-3380-6	H-6	Total/NA	Solid	8015 NM	
890-3380-7	H-7	Total/NA	Solid	8015 NM	
890-3380-8	H-8	Total/NA	Solid	8015 NM	
890-3380-9	H-9	Total/NA	Solid	8015 NM	
890-3380-10	H-10	Total/NA	Solid	8015 NM	
890-3380-11	H-11	Total/NA	Solid	8015 NM	
890-3380-12	H-12	Total/NA	Solid	8015 NM	
890-3380-13	H-13	Total/NA	Solid	8015 NM	
890-3380-14	AH-1 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-15	AH-1 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-16	AH-1 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-17	AH-1 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-18	AH-1 (4-4.5')	Total/NA	Solid	8015 NM	
890-3380-19	AH-2 (.5-1)	Total/NA	Solid	8015 NM	
890-3380-20	AH-2 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-21	AH-2 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-22	AH-2 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-23	AH-2 (4-4.5')	Total/NA	Solid	8015 NM	
890-3380-24	AH-3 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-25	AH-3 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-26	AH-3 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-27	AH-3 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-29	AH-4 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-30	AH-4 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-31	AH-4 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-32	AH-4 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-33	AH-4 (4-4.5')	Total/NA	Solid	8015 NM	
890-3380-34	AH-5 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-35	AH-5 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-36	AH-5 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-37	AH-5 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-38	AH-5 (4-4.5')	Total/NA	Solid	8015 NM	
890-3380-39	AH-6 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-40	AH-6 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-41	AH-6 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	8015 NM	
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	8015 NM	
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	8015 NM	
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	8015 NM	
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	8015 NM	
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 39161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-42	AH-6 (3-3.5')	Total/NA	Solid	8015B NM	38926
890-3380-43	AH-6 (4-4.5')	Total/NA	Solid	8015B NM	38926
890-3380-44	AH-7 (.5-1')	Total/NA	Solid	8015B NM	38926
890-3380-45	AH-7 (1-1.5')	Total/NA	Solid	8015B NM	38926
890-3380-46	AH-7 (2-2.5')	Total/NA	Solid	8015B NM	38926
890-3380-47	AH-7 (3-3.5')	Total/NA	Solid	8015B NM	38926
890-3380-48	AH-7 (4-4.5')	Total/NA	Solid	8015B NM	38926
MB 880-38926/1-A	Method Blank	Total/NA	Solid	8015B NM	38926
LCS 880-38926/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38926
LCSD 880-38926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38926
880-21192-A-8-C MS	Matrix Spike	Total/NA	Solid	8015B NM	38926
880-21192-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38926

HPLC/IC

Leach Batch: 38844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Soluble	Solid	DI Leach	
890-3380-2	H-2	Soluble	Solid	DI Leach	
890-3380-3	H-3	Soluble	Solid	DI Leach	
890-3380-4	H-4	Soluble	Solid	DI Leach	
890-3380-5	H-5	Soluble	Solid	DI Leach	
890-3380-6	H-6	Soluble	Solid	DI Leach	
890-3380-7	H-7	Soluble	Solid	DI Leach	
890-3380-8	H-8	Soluble	Solid	DI Leach	
890-3380-9	H-9	Soluble	Solid	DI Leach	
890-3380-10	H-10	Soluble	Solid	DI Leach	
890-3380-11	H-11	Soluble	Solid	DI Leach	
890-3380-12	H-12	Soluble	Solid	DI Leach	
890-3380-13	H-13	Soluble	Solid	DI Leach	
890-3380-14	AH-1 (.5-1')	Soluble	Solid	DI Leach	
890-3380-15	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-16	AH-1 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-17	AH-1 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-18	AH-1 (4-4.5')	Soluble	Solid	DI Leach	
890-3380-19	AH-2 (.5-1)	Soluble	Solid	DI Leach	
MB 880-38844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3380-10 MS	H-10	Soluble	Solid	DI Leach	
890-3380-10 MSD	H-10	Soluble	Solid	DI Leach	

Leach Batch: 38845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-20	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-21	AH-2 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-22	AH-2 (3-3.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 38845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-23	AH-2 (4-4.5')	Soluble	Solid	DI Leach	
890-3380-24	AH-3 (.5-1')	Soluble	Solid	DI Leach	
890-3380-25	AH-3 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-26	AH-3 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-27	AH-3 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-29	AH-4 (.5-1')	Soluble	Solid	DI Leach	
890-3380-30	AH-4 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-31	AH-4 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-32	AH-4 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-33	AH-4 (4-4.5')	Soluble	Solid	DI Leach	
890-3380-34	AH-5 (.5-1')	Soluble	Solid	DI Leach	
890-3380-35	AH-5 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-36	AH-5 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-37	AH-5 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-38	AH-5 (4-4.5')	Soluble	Solid	DI Leach	
890-3380-39	AH-6 (.5-1')	Soluble	Solid	DI Leach	
MB 880-38845/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38845/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38845/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3380-20 MS	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-20 MSD	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-31 MS	AH-4 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-31 MSD	AH-4 (2-2.5')	Soluble	Solid	DI Leach	

Leach Batch: 38846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-40	AH-6 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-41	AH-6 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-42	AH-6 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-43	AH-6 (4-4.5')	Soluble	Solid	DI Leach	
890-3380-44	AH-7 (.5-1')	Soluble	Solid	DI Leach	
890-3380-45	AH-7 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-46	AH-7 (2-2.5')	Soluble	Solid	DI Leach	
890-3380-47	AH-7 (3-3.5')	Soluble	Solid	DI Leach	
890-3380-48	AH-7 (4-4.5')	Soluble	Solid	DI Leach	
MB 880-38846/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38846/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38846/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3380-40 MS	AH-6 (1-1.5')	Soluble	Solid	DI Leach	
890-3380-40 MSD	AH-6 (1-1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 39041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-20	AH-2 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-21	AH-2 (2-2.5')	Soluble	Solid	300.0	38845
890-3380-22	AH-2 (3-3.5')	Soluble	Solid	300.0	38845
890-3380-23	AH-2 (4-4.5')	Soluble	Solid	300.0	38845
890-3380-24	AH-3 (.5-1')	Soluble	Solid	300.0	38845
890-3380-25	AH-3 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-26	AH-3 (2-2.5')	Soluble	Solid	300.0	38845
890-3380-27	AH-3 (3-3.5')	Soluble	Solid	300.0	38845

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 39041 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-29	AH-4 (.5-1')	Soluble	Solid	300.0	38845
890-3380-30	AH-4 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-31	AH-4 (2-2.5')	Soluble	Solid	300.0	38845
890-3380-32	AH-4 (3-3.5')	Soluble	Solid	300.0	38845
890-3380-33	AH-4 (4-4.5')	Soluble	Solid	300.0	38845
890-3380-34	AH-5 (.5-1')	Soluble	Solid	300.0	38845
890-3380-35	AH-5 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-36	AH-5 (2-2.5')	Soluble	Solid	300.0	38845
890-3380-37	AH-5 (3-3.5')	Soluble	Solid	300.0	38845
890-3380-38	AH-5 (4-4.5')	Soluble	Solid	300.0	38845
890-3380-39	AH-6 (.5-1')	Soluble	Solid	300.0	38845
MB 880-38845/1-A	Method Blank	Soluble	Solid	300.0	38845
LCS 880-38845/2-A	Lab Control Sample	Soluble	Solid	300.0	38845
LCSD 880-38845/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38845
890-3380-20 MS	AH-2 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-20 MSD	AH-2 (1-1.5')	Soluble	Solid	300.0	38845
890-3380-31 MS	AH-4 (2-2.5')	Soluble	Solid	300.0	38845
890-3380-31 MSD	AH-4 (2-2.5')	Soluble	Solid	300.0	38845

Analysis Batch: 39042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-1	H-1	Soluble	Solid	300.0	38844
890-3380-2	H-2	Soluble	Solid	300.0	38844
890-3380-3	H-3	Soluble	Solid	300.0	38844
890-3380-4	H-4	Soluble	Solid	300.0	38844
890-3380-5	H-5	Soluble	Solid	300.0	38844
890-3380-6	H-6	Soluble	Solid	300.0	38844
890-3380-7	H-7	Soluble	Solid	300.0	38844
890-3380-8	H-8	Soluble	Solid	300.0	38844
890-3380-9	H-9	Soluble	Solid	300.0	38844
890-3380-10	H-10	Soluble	Solid	300.0	38844
890-3380-11	H-11	Soluble	Solid	300.0	38844
890-3380-12	H-12	Soluble	Solid	300.0	38844
890-3380-13	H-13	Soluble	Solid	300.0	38844
890-3380-14	AH-1 (.5-1')	Soluble	Solid	300.0	38844
890-3380-15	AH-1 (1-1.5')	Soluble	Solid	300.0	38844
890-3380-16	AH-1 (2-2.5')	Soluble	Solid	300.0	38844
890-3380-17	AH-1 (3-3.5')	Soluble	Solid	300.0	38844
890-3380-18	AH-1 (4-4.5')	Soluble	Solid	300.0	38844
890-3380-19	AH-2 (.5-1)	Soluble	Solid	300.0	38844
MB 880-38844/1-A	Method Blank	Soluble	Solid	300.0	38844
LCS 880-38844/2-A	Lab Control Sample	Soluble	Solid	300.0	38844
LCSD 880-38844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38844
890-3380-10 MS	H-10	Soluble	Solid	300.0	38844
890-3380-10 MSD	H-10	Soluble	Solid	300.0	38844

Analysis Batch: 39043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-40	AH-6 (1-1.5')	Soluble	Solid	300.0	38846
890-3380-41	AH-6 (2-2.5')	Soluble	Solid	300.0	38846
890-3380-42	AH-6 (3-3.5')	Soluble	Solid	300.0	38846

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 39043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3380-43	AH-6 (4-4.5')	Soluble	Solid	300.0	38846
890-3380-44	AH-7 (.5-1')	Soluble	Solid	300.0	38846
890-3380-45	AH-7 (1-1.5')	Soluble	Solid	300.0	38846
890-3380-46	AH-7 (2-2.5')	Soluble	Solid	300.0	38846
890-3380-47	AH-7 (3-3.5')	Soluble	Solid	300.0	38846
890-3380-48	AH-7 (4-4.5')	Soluble	Solid	300.0	38846
MB 880-38846/1-A	Method Blank	Soluble	Solid	300.0	38846
LCS 880-38846/2-A	Lab Control Sample	Soluble	Solid	300.0	38846
LCSD 880-38846/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38846
890-3380-40 MS	AH-6 (1-1.5')	Soluble	Solid	300.0	38846
890-3380-40 MSD	AH-6 (1-1.5')	Soluble	Solid	300.0	38846

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-1

Lab Sample ID: 890-3380-1
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 11:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:01	CH	EET MID

Client Sample ID: H-2

Lab Sample ID: 890-3380-2
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 12:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:08	CH	EET MID

Client Sample ID: H-3

Lab Sample ID: 890-3380-3
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 20:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:15	CH	EET MID

Client Sample ID: H-4

Lab Sample ID: 890-3380-4
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-4
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-4
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			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 13:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:22	CH	EET MID

Client Sample ID: H-5
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-5
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			5.01 g	5 mL	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 20:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 13:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:43	CH	EET MID

Client Sample ID: H-6
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-6
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			5.00 g	5 mL	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:51	CH	EET MID

Client Sample ID: H-7
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-7
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			4.97 g	5 mL	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 21:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38889	11/07/22 14:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 14:38	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

Client Sample ID: H-7 Lab Sample ID: 890-3380-7

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 22:58	CH	EET MID

Client Sample ID: H-8 Lab Sample ID: 890-3380-8

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 14:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 23:05	CH	EET MID

Client Sample ID: H-9 Lab Sample ID: 890-3380-9

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 15:21	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 23:12	CH	EET MID

Client Sample ID: H-10 Lab Sample ID: 890-3380-10

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/11/22 23:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 15:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 23:19	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: H-11

Lab Sample ID: 890-3380-11
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 16:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 23:40	CH	EET MID

Client Sample ID: H-12

Lab Sample ID: 890-3380-12
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/10/22 23:48	CH	EET MID

Client Sample ID: H-13

Lab Sample ID: 890-3380-13
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 17:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:09	CH	EET MID

Client Sample ID: AH-1 (.5-1')

Lab Sample ID: 890-3380-14
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-1 (.5-1')

Lab Sample ID: 890-3380-14
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:16	CH	EET MID

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

Lab Sample ID: 890-3380-15
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 17:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:23	CH	EET MID

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

Lab Sample ID: 890-3380-16
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 03:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 18:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:30	CH	EET MID

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

Lab Sample ID: 890-3380-17
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 18:39	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

Client Sample ID: AH-1 (3-3.5') Lab Sample ID: 890-3380-17

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	38844	11/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:37	CH	EET MID

Client Sample ID: AH-1 (4-4.5') Lab Sample ID: 890-3380-18

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 19:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38844	11/07/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:45	CH	EET MID

Client Sample ID: AH-2 (.5-1) Lab Sample ID: 890-3380-19

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 04:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 19:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38844	11/07/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			39042	11/11/22 00:52	CH	EET MID

Client Sample ID: AH-2 (1-1.5') Lab Sample ID: 890-3380-20

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39022	11/08/22 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39343	11/12/22 04:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38889	11/07/22 14:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38946	11/08/22 19:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 00:07	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-21
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 11:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 21:38	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 00:29	CH	EET MID

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

Lab Sample ID: 890-3380-22
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 22:44	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 00:36	CH	EET MID

Client Sample ID: AH-2 (4-4.5')

Lab Sample ID: 890-3380-23
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 11:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 23:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 00:43	CH	EET MID

Client Sample ID: AH-3 (.5-1')

Lab Sample ID: 890-3380-24
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-3 (.5-1')
Lab Sample ID: 890-3380-24

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 23:27	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 00:51	CH	EET MID

Client Sample ID: AH-3 (1-1.5')
Lab Sample ID: 890-3380-25

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 23:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 01:12	CH	EET MID

Client Sample ID: AH-3 (2-2.5')
Lab Sample ID: 890-3380-26

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 00:11	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		10			39041	11/10/22 01:20	CH	EET MID

Client Sample ID: AH-3 (3-3.5')
Lab Sample ID: 890-3380-27

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 00:32	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-27

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		5			39041	11/10/22 01:27	CH	EET MID

Client Sample ID: AH-4 (.5-1')

Lab Sample ID: 890-3380-29

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39277	11/12/22 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	38949	11/09/22 03:27	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 01:34	CH	EET MID

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

Lab Sample ID: 890-3380-30

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39277	11/12/22 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 02:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 01:41	CH	EET MID

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

Lab Sample ID: 890-3380-31

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 01:16	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 01:48	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

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

Lab Sample ID: 890-3380-32

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39277	11/12/22 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 05:16	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 02:10	CH	EET MID

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

Lab Sample ID: 890-3380-33

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 04:33	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 02:17	CH	EET MID

Client Sample ID: AH-5 (.5-1')

Lab Sample ID: 890-3380-34

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39277	11/12/22 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	38949	11/09/22 03:49	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 02:39	CH	EET MID

Client Sample ID: AH-5 (1-1.5')

Lab Sample ID: 890-3380-35

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (1-1.5')

Lab Sample ID: 890-3380-35
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	38949	11/09/22 04:11	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 02:46	CH	EET MID

Client Sample ID: AH-5 (2-2.5')

Lab Sample ID: 890-3380-36
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39397	11/14/22 09:17	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39394	11/14/22 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 15:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 02:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 02:53	CH	EET MID

Client Sample ID: AH-5 (3-3.5')

Lab Sample ID: 890-3380-37
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 04:54	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		5			39041	11/10/22 03:01	CH	EET MID

Client Sample ID: AH-5 (4-4.5')

Lab Sample ID: 890-3380-38
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 01:38	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-5 (4-4.5')

Lab Sample ID: 890-3380-38
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 03:08	CH	EET MID

Client Sample ID: AH-6 (.5-1')

Lab Sample ID: 890-3380-39
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 03:06	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38845	11/07/22 10:39	KS	EET MID
Soluble	Analysis	300.0		1			39041	11/10/22 03:15	CH	EET MID

Client Sample ID: AH-6 (1-1.5')

Lab Sample ID: 890-3380-40
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39023	11/08/22 15:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/12/22 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 05:39	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 13:33	CH	EET MID

Client Sample ID: AH-6 (2-2.5')

Lab Sample ID: 890-3380-41
Matrix: Solid
Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 10:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38906	11/07/22 15:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/09/22 00:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 13:48	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

Client Sample ID: AH-6 (3-3.5') Lab Sample ID: 890-3380-42

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 10:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 03:19	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 13:53	CH	EET MID

Client Sample ID: AH-6 (4-4.5') Lab Sample ID: 890-3380-43

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 03:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 13:58	CH	EET MID

Client Sample ID: AH-7 (.5-1') Lab Sample ID: 890-3380-44

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	39161	11/11/22 05:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 14:03	CH	EET MID

Client Sample ID: AH-7 (1-1.5') Lab Sample ID: 890-3380-45

Date Collected: 11/03/22 00:00 **Matrix: Solid**
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39341	11/12/22 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (1-1.5')

Lab Sample ID: 890-3380-45

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 04:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 14:18	CH	EET MID

Client Sample ID: AH-7 (2-2.5')

Lab Sample ID: 890-3380-46

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39341	11/12/22 14:28	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	39423	11/14/22 10:31	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	39392	11/14/22 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 04:22	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 14:23	CH	EET MID

Client Sample ID: AH-7 (3-3.5')

Lab Sample ID: 890-3380-47

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39341	11/12/22 14:48	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	39423	11/14/22 10:31	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	39392	11/15/22 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 04:43	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39043	11/10/22 14:28	CH	EET MID

Client Sample ID: AH-7 (4-4.5')

Lab Sample ID: 890-3380-48

Date Collected: 11/03/22 00:00
Matrix: Solid
Date Received: 11/04/22 08:41

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 13:06	MNR	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Client Sample ID: AH-7 (4-4.5')

Date Collected: 11/03/22 00:00
Date Received: 11/04/22 08:41

Lab Sample ID: 890-3380-48

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	Total BTEX		1			39430	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39077	11/14/22 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 05:26	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38846	11/07/22 10:40	KS	EET MID
Soluble	Analysis	300.0		5			39043	11/11/22 10:55	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: JR Oil - MLMU Battery

Job ID: 890-3380-1
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	T104704400-22-24	06-30-23

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. Job ID: 890-3380-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County 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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: JR Oil - MLMU Battery

Job ID: 890-3380-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3380-1	H-1	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-2	H-2	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-3	H-3	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-4	H-4	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-5	H-5	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-6	H-6	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-7	H-7	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-8	H-8	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-9	H-9	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-10	H-10	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-11	H-11	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-12	H-12	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-13	H-13	Solid	11/03/22 00:00	11/04/22 08:41	
890-3380-14	AH-1 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-15	AH-1 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-16	AH-1 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-17	AH-1 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-18	AH-1 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5
890-3380-19	AH-2 (.5-1)	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-20	AH-2 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-21	AH-2 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-22	AH-2 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-23	AH-2 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5
890-3380-24	AH-3 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-25	AH-3 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-26	AH-3 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-27	AH-3 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-29	AH-4 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-30	AH-4 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-31	AH-4 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-32	AH-4 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-33	AH-4 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5
890-3380-34	AH-5 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-35	AH-5 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-36	AH-5 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-37	AH-5 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-38	AH-5 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5
890-3380-39	AH-6 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-40	AH-6 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-41	AH-6 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-42	AH-6 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-43	AH-6 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5
890-3380-44	AH-7 (.5-1')	Solid	11/03/22 00:00	11/04/22 08:41	.5 - 1
890-3380-45	AH-7 (1-1.5')	Solid	11/03/22 00:00	11/04/22 08:41	1 - 1.5
890-3380-46	AH-7 (2-2.5')	Solid	11/03/22 00:00	11/04/22 08:41	2 - 2.5
890-3380-47	AH-7 (3-3.5')	Solid	11/03/22 00:00	11/04/22 08:41	3 - 3.5
890-3380-48	AH-7 (4-4.5')	Solid	11/03/22 00:00	11/04/22 08:41	4 - 4.5

Analysis Request of Chain of Custody Record

Page 1 of 5

Tetra Tech, Inc.

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

890-3380 Chain of Custody

Client Name:	JR Oil	Site Manager:	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	Sampler Signature:	Miguel A. Flores
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	H-1	11/3/2022			x				x					x		x												x								
	H-2	11/3/2022			x				x					x		x												x								
	H-3	11/3/2022			x				x					x		x												x								
	H-4	11/3/2022			x				x					x		x												x								
	H-5	11/3/2022			x				x					x		x												x								
	H-6	11/3/2022			X				X					X		X												X								
	H-7	11/3/2022			X				X					X		X												X								
	H-8	11/3/2022			X				X					X		X												X								
	H-9	11/3/2022			X				X					X		X												X								
	H-10	11/3/2022			X				X					X		X												X								

Relinquished by:	Date: 11/1/22	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 11-4-22 Time: 8:41

LAB USE ONLY

Sample Temperature 3.4 3.2

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

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	JR Oil	**Site Manager:**	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	**Sampler Signature:**	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	H-11	11/3/2022			x				x					x		x												x							
	H-12	11/3/2022			x				x					x		x												x							
	H-13	11/3/2022			x				x					x		x												x							
	AH-1 (.5-1')	11/3/2022			x				x					x		x												x							
	AH-1 (1-1.5')	11/3/2022			x				x					x		x												x							
	AH-1 (2-2.5')	11/3/2022			X				X					X		X												X							
	AH-1 (3-3.5')	11/3/2022			X				X					X		X												X							
	AH-1 (4-4.5')	11/3/2022			X				X					X		X												X							
	AH-2 (.5-1')	11/3/2022			X				X					X		X												X							
	AH-2 (1-1.5)	11/3/2022			X				X					X		X												X							

Relinquished by: Miguel A. Flores Date: 11/4/22 Time:
Received by: Cruz Cuyo 11.4.22 Date: Time:

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

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

LAB USE ONLY
Sample Temperature
Rg1

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	JR Oil	**Site Manager:**	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	**Sampler Signature:**	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	AH-2 (2-2.5')	11/3/2022			x			x			x		x												x				
	AH-2 (3-3.5')	11/3/2022			x			x			x		x												x				
	AH-2 (4-4.5')	11/3/2022			x			x			x		x												x				
	AH-3 (.5-1')	11/3/2022			x			x			x		x												x				
	AH-3 (1-1.5')	11/3/2022			x			x			x		x												x				
	AH-3 (2-2.5')	11/3/2022			X			X			X		X												X				
	AH-3 (3-3.5')	11/3/2022			X			X			X		X												X				
	AH-3 (4-4.5')	11/3/2022			X			X			X		X												X				
	AH-4 (.5-1')	11/3/2022			X			X			X		X												X				
	AH-4 (1-1.5')	11/3/2022			X			X			X		X												X				

Relinquished by: Miguel Flores	Date: 11/4/22	Time:	Received by: Cruz Cruz	Date: 11-4-22	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: Pay

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	JR Oil	Site Manager:	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	Sampler Signature:	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH-4 (2-2.5')	11/3/2022			x				x					x		x												x							
	AH-4 (3-3.5')	11/3/2022			x				x					x		x												x							
	AH-4 (4-4.5')	11/3/2022			x				x					x		x												x							
	AH-5 (.5-1')	11/3/2022			x				x					x		x												x							
	AH-5 (1-1.5')	11/3/2022			x				x					x		x												x							
	AH-5 (2-2.5')	11/3/2022			X				X					X		X												X							
	AH-5 (3-3.5')	11/3/2022			X				X					X		X												X							
	AH-5 (4-4.5')	11/3/2022			X				X					X		X												X							
	AH-6 (.5-1')	11/3/2022			X				X					X		X												X							
	AH-6 (1-1.5')	11/3/2022			X				X					X		X												X							

Relinquished by:	Date: 11/4/22	Time:	Received by: Date: 11.4.22 Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	JR Oil	**Site Manager:**	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	**Sampler Signature:**	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH-6 (2-2.5')	11/3/2022			x				x					x		x												x								
	AH-6 (3-3.5')	11/3/2022			x				x					x		x												x								
	AH-6 (4-4.5')	11/3/2022			x				x					x		x												x								
	AH-7 (.5-1')	11/3/2022			x				x					x		x												x								
	AH-7 (1-1.5')	11/3/2022			x				x					x		x												x								
	AH-7 (2-2.5')	11/3/2022			X				X					X		X												X								
	AH-7 (3-3.5')	11/3/2022			X				X					X		X												X								
	AH-7 (4-4.5')	11/3/2022			X				X					X		X												X								

Relinquished by:	Date: 11/4/22	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 11-4-22 Time:

LAB USE ONLY
Sample Temperature
-Pg1

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1010 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 6
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-3380-1
Address: 1211 W Florida Ave	Due Date Requested: 11/10/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: JR Oil - MLMU Battery	Project #: 88000039			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
H-1 (890-3380-1)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-2 (890-3380-2)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-3 (890-3380-3)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-4 (890-3380-4)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-5 (890-3380-5)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-6 (890-3380-6)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-7 (890-3380-7)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-8 (890-3380-8)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
H-9 (890-3380-9)	11/3/22	Mountain		Solid			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 out 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 complicance 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: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

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

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1010 5
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 5 of 6
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-3380-1
Address: 1211 W Florida Ave	Due Date Requested: 11/10/2022			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: JR Oil - MLMU Battery	Project #: 88000039			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O - AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AH-5 (3-3 5') (890-3380-37)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-5 (4-4 5') (890-3380-38)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-6 (5-1') (890-3380-39)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-6 (1-1 5') (890-3380-40)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-6 (2-2 5') (890-3380-41)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-6 (3-3 5') (890-3380-42)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-6 (4-4 5') (890-3380-43)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-7 (5-1') (890-3380-44)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-7 (1-1 5') (890-3380-45)	11/3/22	Mountain		Solid			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 out 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 complicance 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. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

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

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1010 6
Client Contact: Shipping/Receiving	Phone.	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 6 of 6
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-3380-1
Address: 1211 W Florida Ave	Due Date Requested: 11/10/2022			
City: Midland	TAT Requested (days)			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: JR Oil - MLMU Battery	Project #: 88000039			
Site.	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AH-7 (2-2 5') (890-3380-46)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-7 (3-3 5') (890-3380-47)	11/3/22	Mountain		Solid			X	X	X	X	X	1	
AH-7 (4-4 5') (890-3380-48)	11/3/22	Mountain		Solid			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 out 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 complicance 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: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3380-1
SDG Number: Lea County NM

Login Number: 3380
List Number: 1
Creator: Clifton, Cloe

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: 890-3380-1
SDG Number: Lea County NM

Login Number: 3380
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 11/07/22 09:10 AM

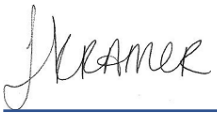
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature 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").	True	

Eurofins Carlsbad

Job Notes

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



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11/15/2022 10:56:03 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/5/2023 7:41:29 AM Revision 1

JOB DESCRIPTION

MLMU Battery
SDG NUMBER Lea County, NM

JOB NUMBER

880-23099-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

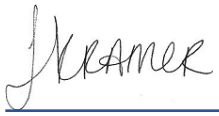
my EOL

Eurofins Midland

Job Notes

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



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1/5/2023 7:41:29 AM
Revision 1

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

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

Laboratory Job ID: 880-23099-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

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

Job ID: 880-23099-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Definitions/Glossary

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

Job ID: 880-23099-1
SDG: Lea County, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 880-23099-1
SDG: Lea County, NM

Job ID: 880-23099-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23099-1

REVISION

The report being provided is a revision of the original report sent on 1/4/2023. The report (revision 1) is being revised due to Sample name typo, revision needed. BH21 needs to be BH31.

Report revision history

Receipt
The samples were received on 12/28/2022 8:45 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 0.3°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43078 and analytical batch 880-43087 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: BH-3 (4') (880-23099-21), BH-4 (4') (880-23099-22), BH-5 (4') (880-23099-23), BH-6 (4') (880-23099-24), BH-7 (4') (880-23099-25), BH-8 (4') (880-23099-26), BH-9 (4') (880-23099-27), BH-10 (4') (880-23099-28), BH-11 (4') (880-23099-29), BH-12 (4') (880-23099-30), BH-13 (4') (880-23099-31), (CCV 880-43043/2), (CCV 880-43043/20), (CCV 880-43043/33), (CCV 880-43043/51), (LCS 880-43079/1-A), (LCSD 880-43079/2-A), (MB 880-42897/5-A), (MB 880-43079/5-A), (880-23099-A-21-G MS) and (880-23099-A-21-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-14 (4') (880-23099-32), BH-15 (4') (880-23099-33), BH-16 (4') (880-23099-34), BH-17 (4') (880-23099-35), BH-18 (4') (880-23099-36), BH-19 (3') (880-23099-37), BH-20 (3') (880-23099-38), BH-21 (3') (880-23099-39) and BH-22 (3') (880-23099-40). 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: The surrogate recovery for the blank associated with preparation batch 880-43001 and analytical batch 880-42932 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-43001/2-A) and (LCSD 880-43001/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-43001 and analytical batch 880-42932 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-42937/32), (CCV 880-42937/48), (CCV 880-42937/59) and (LCSD 880-42996/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-23059-A-1-F MS) and (880-23059-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

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

Job ID: 880-23099-1
SDG: Lea County, NM

Job ID: 880-23099-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-29 (3') (880-23099-47) and BH-31 (4') (880-23099-49). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42996 and analytical batch 880-42937 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3722-A-4-C MS) and (890-3722-A-4-D 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 sample was outside control limits: BH-24 (4') (880-23099-42). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43038 and analytical batch 880-43031 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-43038/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-3 (4') (880-23099-21). 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: BH-4 (4') (880-23099-22), BH-5 (4') (880-23099-23), BH-6 (4') (880-23099-24) and BH-7 (4') (880-23099-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-11 (4') (880-23099-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-16 (4') (880-23099-34). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-19 (3') (880-23099-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-43038 and analytical batch 880-43031 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42866 and analytical batch 880-42954 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.

Method 300_ORGFM_28D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-42867 and analytical batch 880-42949. The associated laboratory control sample (LCS) met acceptance criteria.

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

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-1
Date Collected: 12/27/22 09:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:07	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:07	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		01/03/23 12:53	01/03/23 20:07	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:07	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		01/03/23 12:53	01/03/23 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:07*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:07*	*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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**590**		49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/30/22 23:55	1
Diesel Range Organics (Over C10-C28)	**590**	**F1**	49.9		mg/Kg		12/30/22 16:04	12/30/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/30/22 23:55	1
Total TPH	**590**		49.9		mg/Kg		12/30/22 16:04	12/30/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/30/22 16:04*	*12/30/22 23:55*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/30/22 16:04*	*12/30/22 23:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		5.02		mg/Kg			12/31/22 10:35	1

Client Sample ID: SW-2
Date Collected: 12/27/22 09:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-2
Matrix: Solid

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		01/03/23 12:53	01/03/23 20:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/03/23 20:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/03/23 20:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/03/23 12:53	01/03/23 20:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/03/23 20:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/03/23 12:53	01/03/23 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:28*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:28*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-2

Date Collected: 12/27/22 09:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-2
Matrix: Solid

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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**252**		49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:08	1
Diesel Range Organics (Over C10-C28)	**252**		49.9		mg/Kg		12/30/22 16:04	12/31/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:08	1
Total TPH	**252**		49.9		mg/Kg		12/30/22 16:04	12/31/22 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:08*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		4.97		mg/Kg			12/31/22 10:49	1

Client Sample ID: SW-3

Date Collected: 12/27/22 09:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/03/23 20:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 20:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/03/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/03/23 12:53*	*01/03/23 20:48*	*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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:34	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-3
Date Collected: 12/27/22 09:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:34	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:34*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.5**		4.99		mg/Kg			12/31/22 10:54	1

Client Sample ID: SW-4
Date Collected: 12/27/22 09:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 21:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 21:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 21:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/03/23 21:09	1
o-Xylene	**0.00796**		0.00199		mg/Kg		01/03/23 12:53	01/03/23 21:09	1
Xylenes, Total	**0.00796**		0.00398		mg/Kg		01/03/23 12:53	01/03/23 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:09*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00796**		0.00398		mg/Kg			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1450**		49.8		mg/Kg			01/03/23 09:28	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	**60.1**		49.8		mg/Kg		12/30/22 16:04	12/31/22 01:57	1
Diesel Range Organics (Over C10-C28)	**1390**		49.8		mg/Kg		12/30/22 16:04	12/31/22 01:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/30/22 16:04	12/31/22 01:57	1
Total TPH	**1450**		49.8		mg/Kg		12/30/22 16:04	12/31/22 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:57*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/30/22 16:04*	*12/31/22 01:57*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-4
Date Collected: 12/27/22 09:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-4
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**343**		5.05		mg/Kg			12/31/22 10:58	1

Client Sample ID: SW-5
Date Collected: 12/27/22 09:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-5
Matrix: Solid

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		01/03/23 12:53	01/03/23 21:29	1
Toluene	**0.00855**		0.00201		mg/Kg		01/03/23 12:53	01/03/23 21:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/03/23 21:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/03/23 21:29	1
o-Xylene	**0.0621**		0.00201		mg/Kg		01/03/23 12:53	01/03/23 21:29	1
Xylenes, Total	**0.0621**		0.00402		mg/Kg		01/03/23 12:53	01/03/23 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:29*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0707**		0.00402		mg/Kg			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.0**		49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 02:22	1
Diesel Range Organics (Over C10-C28)	**62.0**		49.9		mg/Kg		12/30/22 16:04	12/31/22 02:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 02:22	1
Total TPH	**62.0**		49.9		mg/Kg		12/30/22 16:04	12/31/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/30/22 16:04*	*12/31/22 02:22*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/30/22 16:04*	*12/31/22 02:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.57**		5.04		mg/Kg			12/31/22 11:03	1

Client Sample ID: SW-6
Date Collected: 12/27/22 09:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 21:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 21:50	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-6

Date Collected: 12/27/22 09:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 21:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/03/23 12:53	01/03/23 21:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 21:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/03/23 12:53	01/03/23 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:50*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/03/23 12:53*	*01/03/23 21:50*	*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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 02:46	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/30/22 16:04*	*12/31/22 02:46*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/30/22 16:04*	*12/31/22 02:46*	*1*

Method: MCAWW 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			12/31/22 11:17	1

Client Sample ID: SW-7

Date Collected: 12/27/22 10:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/03/23 22:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/03/23 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/03/23 12:53*	*01/03/23 22:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/03/23 12:53*	*01/03/23 22:10*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-7
Date Collected: 12/27/22 10:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-7
Matrix: Solid

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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 03:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:12	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:12*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:12*	*1*

Method: MCAWW 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			12/31/22 11:22	1

Client Sample ID: SW-8
Date Collected: 12/27/22 10:05
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 22:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 22:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 22:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/03/23 22:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/03/23 22:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/03/23 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/03/23 12:53*	*01/03/23 22:31*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/03/23 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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 03:34	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-8
Date Collected: 12/27/22 10:05
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:34	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:34	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:34*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:34*	*1*

Method: MCAWW 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			12/31/22 11:27	1

Client Sample ID: SW-9
Date Collected: 12/27/22 10:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/03/23 12:53	01/03/23 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 22:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/03/23 12:53	01/03/23 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*01/03/23 12:53*	*01/03/23 22:51*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/03/23 22:51*	*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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:59	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:59*	*1*
o-Terphenyl	*99*		*70 - 130*	*12/30/22 16:04*	*12/31/22 03:59*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-9
Date Collected: 12/27/22 10:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-9
Matrix: Solid

Method: MCAWW 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			12/31/22 11:31	1

Client Sample ID: SW-10
Date Collected: 12/27/22 10:15
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-10
Matrix: Solid

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		01/03/23 12:53	01/03/23 23:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/03/23 12:53	01/03/23 23:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/03/23 12:53	01/03/23 23:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/03/23 12:53	01/03/23 23:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/03/23 12:53	01/03/23 23:12	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/03/23 12:53	01/03/23 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/03/23 23:12*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/03/23 12:53*	*01/03/23 23:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 04:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 04:23	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/30/22 16:04*	*12/31/22 04:23*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/30/22 16:04*	*12/31/22 04:23*	*1*

Method: MCAWW 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			12/31/22 11:36	1

Client Sample ID: SW-11
Date Collected: 12/27/22 10:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-11
Matrix: Solid

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		01/03/23 12:53	01/04/23 00:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 00:35	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-11
Date Collected: 12/27/22 10:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 00:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 00:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 00:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/03/23 12:53*	*01/04/23 00:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/03/23 12:53*	*01/04/23 00:35*	*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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:06	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:06*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.39**	**F1**	4.96		mg/Kg			12/31/22 11:41	1

Client Sample ID: SW-12
Date Collected: 12/27/22 10:25
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-12
Matrix: Solid

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		01/03/23 12:53	01/04/23 00:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 00:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 00:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/03/23 12:53	01/04/23 00:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 00:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/03/23 12:53	01/04/23 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/03/23 12:53*	*01/04/23 00:55*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/03/23 12:53*	*01/04/23 00:55*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-12
Date Collected: 12/27/22 10:25
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-12
Matrix: Solid

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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 05:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 05:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 05:26	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:26*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:26*	*1*

Method: MCAWW 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			12/31/22 11:55	1

Client Sample ID: SW-13
Date Collected: 12/27/22 10:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-13
Matrix: Solid

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		01/03/23 12:53	01/04/23 01:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 01:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 01:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/03/23 12:53	01/04/23 01:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/03/23 12:53	01/04/23 01:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/03/23 12:53	01/04/23 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:16*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:16*	*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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:46	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-13
Date Collected: 12/27/22 10:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:46	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:46	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:46*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/30/22 16:04*	*12/31/22 05:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.05**		4.97		mg/Kg			12/31/22 12:00	1

Client Sample ID: SW-14
Date Collected: 12/27/22 10:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 01:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 01:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/04/23 01:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 01:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/04/23 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:37*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 06:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:07	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:07*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:07*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-14
Date Collected: 12/27/22 10:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-14
Matrix: Solid

Method: MCAWW 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			12/31/22 12:14	1

Client Sample ID: SW-15
Date Collected: 12/27/22 10:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-15
Matrix: Solid

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		01/03/23 12:53	01/04/23 01:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 01:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 01:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 01:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 01:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:57*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/03/23 12:53*	*01/04/23 01:57*	*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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 06:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:27	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:27*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:27*	*1*

Method: MCAWW 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			12/31/22 12:19	1

Client Sample ID: SW-16
Date Collected: 12/27/22 10:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 02:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 02:18	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-16
Date Collected: 12/27/22 10:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 02:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/04/23 02:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/03/23 12:53	01/04/23 02:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/03/23 12:53	01/04/23 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:18*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:18*	*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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 06:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:47	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:47*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/30/22 16:04*	*12/31/22 06:47*	*1*

Method: MCAWW 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			12/31/22 12:23	1

Client Sample ID: SW-17
Date Collected: 12/27/22 10:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/04/23 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/04/23 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:38*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-17
Date Collected: 12/27/22 10:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-17
Matrix: Solid

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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 07:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 07:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 07:09	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:09*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.50**		4.97		mg/Kg			12/31/22 12:28	1

Client Sample ID: SW-18
Date Collected: 12/27/22 10:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-18
Matrix: Solid

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		01/03/23 12:53	01/04/23 02:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 02:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 02:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 02:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/03/23 12:53	01/04/23 02:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/03/23 12:53	01/04/23 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:59*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/03/23 12:53*	*01/04/23 02:59*	*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			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 07:31	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-18
Date Collected: 12/27/22 10:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:31	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:31*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.75**		5.02		mg/Kg			12/31/22 12:33	1

Client Sample ID: BH-1 (4')
Date Collected: 12/27/22 11:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/03/23 12:53	01/04/23 03:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/03/23 12:53	01/04/23 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/03/23 12:53*	*01/04/23 03:19*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/03/23 12:53*	*01/04/23 03:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/04/23 09:47	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			01/03/23 09:28	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		12/30/22 16:04	12/31/22 07:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:53	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/31/22 07:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:53*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/30/22 16:04*	*12/31/22 07:53*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-1 (4')
Date Collected: 12/27/22 11:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-19
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		5.01		mg/Kg			12/31/22 12:37	1

Client Sample ID: BH-2 (4')
Date Collected: 12/27/22 11:05
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/03/23 12:53	01/04/23 03:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/04/23 03:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/03/23 12:53	01/04/23 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/03/23 12:53*	*01/04/23 03:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/03/23 12:53*	*01/04/23 03:40*	*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			01/04/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	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	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 08:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 08:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 08:15	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 16:04	12/31/22 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/30/22 16:04*	*12/31/22 08:15*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/30/22 16:04*	*12/31/22 08:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.98		mg/Kg			12/31/22 12:42	1

Client Sample ID: BH-3 (4')
Date Collected: 12/27/22 11:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:31	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:31	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-3 (4')
Date Collected: 12/27/22 11:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:31	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 02:31	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:31	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*278*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 02:31*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/03/23 13:01*	*01/04/23 02:31*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 12:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		01/03/23 08:33	01/03/23 12:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 12:22	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 12:22*	*1*
o-Terphenyl	*154*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 12:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**	**F1**	5.03		mg/Kg			12/31/22 13:20	1

Client Sample ID: BH-4 (4')
Date Collected: 12/27/22 11:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-22
Matrix: Solid

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		01/03/23 13:01	01/04/23 02:57	1
Toluene	<0.00202	U *+	0.00202		mg/Kg		01/03/23 13:01	01/04/23 02:57	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		01/03/23 13:01	01/04/23 02:57	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		01/03/23 13:01	01/04/23 02:57	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		01/03/23 13:01	01/04/23 02:57	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		01/03/23 13:01	01/04/23 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*302*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 02:57*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/03/23 13:01*	*01/04/23 02:57*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-4 (4')
Date Collected: 12/27/22 11:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-22
Matrix: Solid

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:29	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 13:29*	*1*
o-Terphenyl	*159*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 13:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**354**		5.00		mg/Kg			12/31/22 13:34	1

Client Sample ID: BH-5 (4')
Date Collected: 12/27/22 11:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 03:23	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 03:23	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 03:23	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 03:23	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 03:23	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*296*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 03:23*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*01/03/23 13:01*	*01/04/23 03:23*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:51	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-5 (4')
Date Collected: 12/27/22 11:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:51	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:51	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 13:51*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 13:51*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**328**		4.97		mg/Kg			12/31/22 13:39	1

Client Sample ID: BH-6 (4')
Date Collected: 12/27/22 11:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 03:49	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 03:49	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 03:49	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 03:49	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 03:49	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*308*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 03:49*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/03/23 13:01*	*01/04/23 03:49*	*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			01/04/23 09:46	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			01/04/23 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	<49.8	U	49.8		mg/Kg		01/03/23 08:33	01/03/23 14:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		01/03/23 08:33	01/03/23 14:14	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/03/23 08:33	01/03/23 14:14	1
Total TPH	<49.8	U	49.8		mg/Kg		01/03/23 08:33	01/03/23 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*01/03/23 08:33*	*01/03/23 14:14*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 14:14*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-6 (4')
Date Collected: 12/27/22 11:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-24
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		5.05		mg/Kg			12/31/22 13:43	1

Client Sample ID: BH-7 (4')
Date Collected: 12/27/22 11:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 04:16	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 04:16	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 04:16	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		01/03/23 13:01	01/04/23 04:16	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 04:16	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		01/03/23 13:01	01/04/23 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*345*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 04:16*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/03/23 13:01*	*01/04/23 04:16*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		01/03/23 08:33	01/03/23 14:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 14:36	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 14:36*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 14:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	965		4.99		mg/Kg			12/31/22 13:48	1

Client Sample ID: BH-8 (4')
Date Collected: 12/27/22 12:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-26
Matrix: Solid

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		01/03/23 13:01	01/04/23 04:43	1
Toluene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 04:43	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-8 (4')
Date Collected: 12/27/22 12:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 04:43	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 04:43	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 04:43	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*296*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 04:43*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/03/23 13:01*	*01/04/23 04:43*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 14:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 14:58	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*01/03/23 08:33*	*01/03/23 14:58*	*1*
o-Terphenyl	*122*		*70 - 130*	*01/03/23 08:33*	*01/03/23 14:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**720**		5.01		mg/Kg			12/31/22 14:02	1

Client Sample ID: BH-9 (4')
Date Collected: 12/27/22 12:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 05:09	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 05:09	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 05:09	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 05:09	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 05:09	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*295*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 05:09*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/03/23 13:01*	*01/04/23 05:09*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-9 (4')
Date Collected: 12/27/22 12:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-27
Matrix: Solid

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:19	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/03/23 08:33*	*01/03/23 15:19*	*1*
o-Terphenyl	*120*		*70 - 130*	*01/03/23 08:33*	*01/03/23 15:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**736**		5.00		mg/Kg			12/31/22 14:07	1

Client Sample ID: BH-10 (4')
Date Collected: 12/27/22 12:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 05:36	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 05:36	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 05:36	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 05:36	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 05:36	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*299*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 05:36*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/03/23 13:01*	*01/04/23 05:36*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 15:41	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-10 (4')
Date Collected: 12/27/22 12:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:41	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/03/23 08:33*	*01/03/23 15:41*	*1*
o-Terphenyl	*129*		*70 - 130*	*01/03/23 08:33*	*01/03/23 15:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.8**		5.02		mg/Kg			12/31/22 14:12	1

Client Sample ID: BH-11 (4')
Date Collected: 12/27/22 12:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:03	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:03	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:03	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 06:03	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:03	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*327*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 06:03*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*01/03/23 13:01*	*01/04/23 06:03*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:03	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*01/03/23 08:33*	*01/03/23 16:03*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 16:03*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-11 (4')
Date Collected: 12/27/22 12:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-29
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.2		5.01		mg/Kg			12/31/22 14:16	1

Client Sample ID: BH-12 (4')
Date Collected: 12/27/22 12:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:28	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:28	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:28	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 06:28	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 06:28	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*348*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 06:28*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/03/23 13:01*	*01/04/23 06:28*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:25	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*01/03/23 08:33*	*01/03/23 16:25*	*1*
o-Terphenyl	*124*		*70 - 130*	*01/03/23 08:33*	*01/03/23 16:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.7		5.00		mg/Kg			12/31/22 14:21	1

Client Sample ID: BH-13 (4')
Date Collected: 12/27/22 13:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 08:14	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 08:14	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-13 (4')
Date Collected: 12/27/22 13:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 08:14	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 08:14	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 08:14	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*298*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 08:14*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*01/03/23 13:01*	*01/04/23 08:14*	*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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**724**		49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 17:09	1
Diesel Range Organics (Over C10-C28)	**636**	***+ *1**	49.9		mg/Kg		01/03/23 08:33	01/03/23 17:09	1
Oil Range Organics (Over C28-C36)	**87.8**		49.9		mg/Kg		01/03/23 08:33	01/03/23 17:09	1
Total TPH	**724**		49.9		mg/Kg		01/03/23 08:33	01/03/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:09*	*1*
o-Terphenyl	*126*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**444**	**F1**	5.00		mg/Kg			12/31/22 14:26	1

Client Sample ID: BH-14 (4')
Date Collected: 12/27/22 13:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-32
Matrix: Solid

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		01/03/23 13:01	01/04/23 08:40	1
Toluene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 08:40	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 08:40	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 08:40	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 08:40	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*335*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 08:40*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*01/03/23 13:01*	*01/04/23 08:40*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-14 (4')
Date Collected: 12/27/22 13:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-32
Matrix: Solid

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**349**		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 17:31	1
Diesel Range Organics (Over C10-C28)	**349**	***+ *1**	50.0		mg/Kg		01/03/23 08:33	01/03/23 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 17:31	1
Total TPH	**349**		50.0		mg/Kg		01/03/23 08:33	01/03/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:31*	*1*
o-Terphenyl	*127*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		5.02		mg/Kg			12/31/22 14:40	1

Client Sample ID: BH-15 (4')
Date Collected: 12/27/22 13:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-33
Matrix: Solid

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		01/03/23 13:01	01/04/23 09:06	1
Toluene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 09:06	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 09:06	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		01/03/23 13:01	01/04/23 09:06	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 09:06	1
Xylenes, Total	<0.00397	U *+	0.00397		mg/Kg		01/03/23 13:01	01/04/23 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*323*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 09:06*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/03/23 13:01*	*01/04/23 09:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**205**		49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 17:53	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-15 (4')
Date Collected: 12/27/22 13:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-33
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**205**	***+ *1**	49.9		mg/Kg		01/03/23 08:33	01/03/23 17:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 17:53	1
Total TPH	**205**		49.9		mg/Kg		01/03/23 08:33	01/03/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:53*	*1*
o-Terphenyl	*121*		*70 - 130*	*01/03/23 08:33*	*01/03/23 17:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		5.00		mg/Kg			12/31/22 14:44	1

Client Sample ID: BH-16 (4')
Date Collected: 12/27/22 13:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-34
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 09:33	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 09:33	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 09:33	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 09:33	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 09:33	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*321*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 09:33*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/03/23 13:01*	*01/04/23 09:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**138**		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 18:16	1
Diesel Range Organics (Over C10-C28)	**138**	***+ *1**	50.0		mg/Kg		01/03/23 08:33	01/03/23 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 18:16	1
Total TPH	**138**		50.0		mg/Kg		01/03/23 08:33	01/03/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*01/03/23 08:33*	*01/03/23 18:16*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 18:16*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-16 (4')
Date Collected: 12/27/22 13:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-34
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		4.98		mg/Kg			12/31/22 14:58	1

Client Sample ID: BH-17 (4')
Date Collected: 12/27/22 13:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-35
Matrix: Solid

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		01/03/23 13:01	01/04/23 09:59	1
Toluene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 09:59	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 09:59	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 09:59	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		01/03/23 13:01	01/04/23 09:59	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		01/03/23 13:01	01/04/23 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*328*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 09:59*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/03/23 13:01*	*01/04/23 09:59*	*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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**298**		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 18:38	1
Diesel Range Organics (Over C10-C28)	**298**	***+ *1**	50.0		mg/Kg		01/03/23 08:33	01/03/23 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 18:38	1
Total TPH	**298**		50.0		mg/Kg		01/03/23 08:33	01/03/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/03/23 08:33*	*01/03/23 18:38*	*1*
o-Terphenyl	*123*		*70 - 130*	*01/03/23 08:33*	*01/03/23 18:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**432**		4.95		mg/Kg			12/31/22 15:03	1

Client Sample ID: BH-18 (4')
Date Collected: 12/27/22 14:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-36
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:25	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:25	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-18 (4')
Date Collected: 12/27/22 14:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-36
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:25	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 10:25	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:25	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/03/23 13:01	01/04/23 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*332*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 10:25*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/03/23 13:01*	*01/04/23 10:25*	*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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**405**		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 19:00	1
Diesel Range Organics (Over C10-C28)	**355**	***+ *1**	50.0		mg/Kg		01/03/23 08:33	01/03/23 19:00	1
Oil Range Organics (Over C28-C36)	**50.1**		50.0		mg/Kg		01/03/23 08:33	01/03/23 19:00	1
Total TPH	**405**		50.0		mg/Kg		01/03/23 08:33	01/03/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/03/23 08:33*	*01/03/23 19:00*	*1*
o-Terphenyl	*118*		*70 - 130*	*01/03/23 08:33*	*01/03/23 19:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		5.00		mg/Kg			12/31/22 15:08	1

Client Sample ID: BH-19 (3')
Date Collected: 12/27/22 14:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-37
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:51	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:51	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:51	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 10:51	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/03/23 13:01	01/04/23 10:51	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		01/03/23 13:01	01/04/23 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*298*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 10:51*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*01/03/23 13:01*	*01/04/23 10:51*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-19 (3')
Date Collected: 12/27/22 14:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-37
Matrix: Solid

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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 19:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		01/03/23 08:33	01/03/23 19:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 19:24	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*01/03/23 08:33*	*01/03/23 19:24*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 19:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		4.99		mg/Kg			12/31/22 15:13	1

Client Sample ID: BH-20 (3')
Date Collected: 12/27/22 14:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-38
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 11:16	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 11:16	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 11:16	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 11:16	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 11:16	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*338*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 11:16*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*01/03/23 13:01*	*01/04/23 11:16*	*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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1030**		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 19:46	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-20 (3')

Lab Sample ID: 880-23099-38
Matrix: Solid
Date Collected: 12/27/22 14:20
Date Received: 12/28/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	888	*+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 19:46	1
Oil Range Organics (Over C28-C36)	144		50.0		mg/Kg		01/03/23 08:33	01/03/23 19:46	1
Total TPH	1030		50.0		mg/Kg		01/03/23 08:33	01/03/23 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*01/03/23 08:33*	*01/03/23 19:46*	*1*
o-Terphenyl	*119*		*70 - 130*	*01/03/23 08:33*	*01/03/23 19:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		5.01		mg/Kg			12/31/22 15:17	1

Client Sample ID: BH-21 (3')

Lab Sample ID: 880-23099-39
Matrix: Solid
Date Collected: 12/27/22 14:30
Date Received: 12/28/22 08:45

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		01/03/23 13:01	01/04/23 11:42	1
Toluene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 11:42	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 11:42	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		01/03/23 13:01	01/04/23 11:42	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		01/03/23 13:01	01/04/23 11:42	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		01/03/23 13:01	01/04/23 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*338*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 11:42*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*01/03/23 13:01*	*01/04/23 11:42*	*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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	982		50.0		mg/Kg			01/04/23 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		01/03/23 08:33	01/03/23 20:09	1
Diesel Range Organics (Over C10-C28)	868	*+ *1	50.0		mg/Kg		01/03/23 08:33	01/03/23 20:09	1
Oil Range Organics (Over C28-C36)	114		50.0		mg/Kg		01/03/23 08:33	01/03/23 20:09	1
Total TPH	982		50.0		mg/Kg		01/03/23 08:33	01/03/23 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*01/03/23 08:33*	*01/03/23 20:09*	*1*
o-Terphenyl	*122*		*70 - 130*	*01/03/23 08:33*	*01/03/23 20:09*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-21 (3')
Date Collected: 12/27/22 14:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-39
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		4.97		mg/Kg			12/31/22 15:22	1

Client Sample ID: BH-22 (3')
Date Collected: 12/27/22 14:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-40
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 12:08	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 12:08	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 12:08	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 12:08	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/03/23 13:01	01/04/23 12:08	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/03/23 13:01	01/04/23 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*341*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*01/03/23 13:01*	*01/04/23 12:08*	*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			01/04/23 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**255**		49.9		mg/Kg			01/04/23 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	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 20:31	1
Diesel Range Organics (Over C10-C28)	**255**	***+ *1**	49.9		mg/Kg		01/03/23 08:33	01/03/23 20:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:33	01/03/23 20:31	1
Total TPH	**255**		49.9		mg/Kg		01/03/23 08:33	01/03/23 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*01/03/23 08:33*	*01/03/23 20:31*	*1*
o-Terphenyl	*128*		*70 - 130*	*01/03/23 08:33*	*01/03/23 20:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		4.98		mg/Kg			12/31/22 15:27	1

Client Sample ID: BH-23 (3')
Date Collected: 12/27/22 14:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-41
Matrix: Solid

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		01/03/23 13:11	01/04/23 01:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/03/23 13:11	01/04/23 01:47	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-23 (3')
Date Collected: 12/27/22 14:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/03/23 13:11	01/04/23 01:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/03/23 13:11	01/04/23 01:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/03/23 13:11	01/04/23 01:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/03/23 13:11	01/04/23 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*01/03/23 13:11*	*01/04/23 01:47*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/03/23 13:11*	*01/04/23 01:47*	*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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**259**		50.0		mg/Kg			01/04/23 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	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 17:53	1
Diesel Range Organics (Over C10-C28)	**259**		50.0		mg/Kg		01/03/23 08:31	01/03/23 17:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 17:53	1
Total TPH	**259**		50.0		mg/Kg		01/03/23 08:31	01/03/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/03/23 08:31*	*01/03/23 17:53*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/03/23 08:31*	*01/03/23 17:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		5.01		mg/Kg			12/31/22 03:52	1

Client Sample ID: BH-24 (4')
Date Collected: 12/27/22 15:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-42
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/03/23 13:11	01/04/23 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/03/23 13:11	01/04/23 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/03/23 13:11	01/04/23 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/03/23 13:11	01/04/23 01:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/03/23 13:11	01/04/23 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/03/23 13:11	01/04/23 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/03/23 13:11*	*01/04/23 01:26*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/03/23 13:11*	*01/04/23 01:26*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-24 (4')
Date Collected: 12/27/22 15:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-42
Matrix: Solid

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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**192**		49.9		mg/Kg			01/04/23 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		01/03/23 08:31	01/03/23 18:16	1
Diesel Range Organics (Over C10-C28)	**192**		49.9		mg/Kg		01/03/23 08:31	01/03/23 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:31	01/03/23 18:16	1
Total TPH	**192**		49.9		mg/Kg		01/03/23 08:31	01/03/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*01/03/23 08:31*	*01/03/23 18:16*	*1*
o-Terphenyl	*115*		*70 - 130*	*01/03/23 08:31*	*01/03/23 18:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**335**		5.04		mg/Kg			12/31/22 03:57	1

Client Sample ID: BH-25 (4')
Date Collected: 12/27/22 15:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 02:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 02:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 02:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 02:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 02:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/03/23 13:11*	*01/04/23 02:08*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/03/23 13:11*	*01/04/23 02:08*	*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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/23 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	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 18:38	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-25 (4')
Date Collected: 12/27/22 15:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 18:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 18:38	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*01/03/23 08:31*	*01/03/23 18:38*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/03/23 08:31*	*01/03/23 18:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.8**		4.99		mg/Kg			12/31/22 04:02	1

Client Sample ID: BH-26 (4')
Date Collected: 12/27/22 15:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-44
Matrix: Solid

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		01/03/23 13:11	01/04/23 08:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 08:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 08:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/03/23 13:11	01/04/23 08:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 08:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/03/23 13:11	01/04/23 08:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/03/23 13:11*	*01/04/23 08:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/03/23 13:11*	*01/04/23 08:55*	*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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**192**		49.9		mg/Kg			01/04/23 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		01/03/23 08:31	01/03/23 19:00	1
Diesel Range Organics (Over C10-C28)	**192**		49.9		mg/Kg		01/03/23 08:31	01/03/23 19:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:31	01/03/23 19:00	1
Total TPH	**192**		49.9		mg/Kg		01/03/23 08:31	01/03/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*01/03/23 08:31*	*01/03/23 19:00*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/03/23 08:31*	*01/03/23 19:00*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-26 (4')
Date Collected: 12/27/22 15:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-44
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		5.03		mg/Kg			12/31/22 04:06	1

Client Sample ID: BH-27 (4')
Date Collected: 12/27/22 15:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-45
Matrix: Solid

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		01/03/23 13:11	01/04/23 09:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 09:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 09:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/03/23 13:11	01/04/23 09:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 09:15	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/03/23 13:11	01/04/23 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:15*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/23 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		01/03/23 08:31	01/03/23 19:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/03/23 08:31	01/03/23 19:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/03/23 08:31	01/03/23 19:24	1
Total TPH	<49.9	U	49.9		mg/Kg		01/03/23 08:31	01/03/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*01/03/23 08:31*	*01/03/23 19:24*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/03/23 08:31*	*01/03/23 19:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	797		5.04		mg/Kg			12/31/22 04:11	1

Client Sample ID: BH-28 (3')
Date Collected: 12/27/22 15:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-46
Matrix: Solid

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		01/03/23 13:11	01/04/23 09:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/03/23 13:11	01/04/23 09:36	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-28 (3')
Date Collected: 12/27/22 15:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/03/23 13:11	01/04/23 09:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/03/23 13:11	01/04/23 09:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/03/23 13:11	01/04/23 09:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/03/23 13:11	01/04/23 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**582**		49.9		mg/Kg			01/03/23 10:37	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		12/30/22 15:05	12/31/22 09:24	1
Diesel Range Organics (Over C10-C28)	**511**		49.9		mg/Kg		12/30/22 15:05	12/31/22 09:24	1
Oil Range Organics (Over C28-C36)	**71.3**		49.9		mg/Kg		12/30/22 15:05	12/31/22 09:24	1
Total TPH	**582**		49.9		mg/Kg		12/30/22 15:05	12/31/22 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/30/22 15:05*	*12/31/22 09:24*	*1*
o-Terphenyl	*72*		*70 - 130*	*12/30/22 15:05*	*12/31/22 09:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		4.99		mg/Kg			12/31/22 04:25	1

Client Sample ID: BH-29 (3')
Date Collected: 12/27/22 15:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 09:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 09:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 09:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/03/23 13:11	01/04/23 09:57	1
o-Xylene	**0.00347**		0.00200		mg/Kg		01/03/23 13:11	01/04/23 09:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/03/23 13:11	01/04/23 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/03/23 13:11*	*01/04/23 09:57*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-29 (3')
Date Collected: 12/27/22 15:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-47
Matrix: Solid

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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**557**		50.0		mg/Kg			01/03/23 10:37	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	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 09:47	1
Diesel Range Organics (Over C10-C28)	**501**		50.0		mg/Kg		12/30/22 15:05	12/31/22 09:47	1
Oil Range Organics (Over C28-C36)	**55.8**		50.0		mg/Kg		12/30/22 15:05	12/31/22 09:47	1
Total TPH	**557**		50.0		mg/Kg		12/30/22 15:05	12/31/22 09:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/30/22 15:05*	*12/31/22 09:47*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/30/22 15:05*	*12/31/22 09:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**450**		4.98		mg/Kg			12/31/22 04:30	1

Client Sample ID: BH-30 (3')
Date Collected: 12/27/22 16:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-48
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 10:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 10:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 10:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 10:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 10:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/03/23 13:11*	*01/04/23 10:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/03/23 13:11*	*01/04/23 10:17*	*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			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**539**		50.0		mg/Kg			01/03/23 10:37	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	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 10:11	1

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-30 (3')

Lab Sample ID: 880-23099-48
Matrix: Solid
Date Collected: 12/27/22 16:00
Date Received: 12/28/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	474		50.0		mg/Kg		12/30/22 15:05	12/31/22 10:11	1
Oil Range Organics (Over C28-C36)	64.8		50.0		mg/Kg		12/30/22 15:05	12/31/22 10:11	1
Total TPH	539		50.0		mg/Kg		12/30/22 15:05	12/31/22 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/30/22 15:05*	*12/31/22 10:11*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/30/22 15:05*	*12/31/22 10:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.00		mg/Kg			12/31/22 04:44	1

Client Sample ID: BH-31 (4')

Lab Sample ID: 880-23099-49
Matrix: Solid
Date Collected: 12/27/22 16:10
Date Received: 12/28/22 08:45

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		01/03/23 13:11	01/04/23 10:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 10:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 10:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/03/23 13:11	01/04/23 10:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/03/23 13:11	01/04/23 10:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/03/23 13:11	01/04/23 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/03/23 13:11*	*01/04/23 10:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/03/23 13:11*	*01/04/23 10:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/04/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 10:37	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		12/30/22 15:05	12/31/22 10:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 15:05	12/31/22 10:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:05	12/31/22 10:34	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 15:05	12/31/22 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/30/22 15:05*	*12/31/22 10:34*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*12/30/22 15:05*	*12/31/22 10:34*	*1*

Client Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-31 (4')

Date Collected: 12/27/22 16:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-49

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.95		mg/Kg			12/31/22 04:49	1

Surrogate Summary

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

Job ID: 880-23099-1
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 (70-130)	DFBZ1 (70-130)
880-23099-1	SW-1	86	110
880-23099-1 MS	SW-1	82	117
880-23099-1 MSD	SW-1	111	107
880-23099-2	SW-2	89	108
880-23099-3	SW-3	104	95
880-23099-4	SW-4	102	103
880-23099-5	SW-5	108	107
880-23099-6	SW-6	88	101
880-23099-7	SW-7	85	100
880-23099-8	SW-8	84	107
880-23099-9	SW-9	87	107
880-23099-10	SW-10	107	96
880-23099-11	SW-11	85	99
880-23099-12	SW-12	104	86
880-23099-13	SW-13	107	89
880-23099-14	SW-14	90	102
880-23099-15	SW-15	107	89
880-23099-16	SW-16	107	81
880-23099-17	SW-17	104	92
880-23099-18	SW-18	85	104
880-23099-19	BH-1 (4')	107	89
880-23099-20	BH-2 (4')	85	100
880-23099-21	BH-3 (4')	278 S1+	75
880-23099-21 MS	BH-3 (4')	262 S1+	82
880-23099-21 MSD	BH-3 (4')	258 S1+	79
880-23099-22	BH-4 (4')	302 S1+	75
880-23099-23	BH-5 (4')	296 S1+	74
880-23099-24	BH-6 (4')	308 S1+	72
880-23099-25	BH-7 (4')	345 S1+	73
880-23099-26	BH-8 (4')	296 S1+	75
880-23099-27	BH-9 (4')	295 S1+	75
880-23099-28	BH-10 (4')	299 S1+	81
880-23099-29	BH-11 (4')	327 S1+	71
880-23099-30	BH-12 (4')	348 S1+	73
880-23099-31	BH-13 (4')	298 S1+	71
880-23099-32	BH-14 (4')	335 S1+	59 S1-
880-23099-33	BH-15 (4')	323 S1+	73
880-23099-34	BH-16 (4')	321 S1+	72
880-23099-35	BH-17 (4')	328 S1+	72
880-23099-36	BH-18 (4')	332 S1+	72
880-23099-37	BH-19 (3')	298 S1+	70
880-23099-38	BH-20 (3')	338 S1+	71
880-23099-39	BH-21 (3')	338 S1+	70
880-23099-40	BH-22 (3')	341 S1+	71
880-23099-41	BH-23 (3')	73	100
880-23099-42	BH-24 (4')	106	97
880-23099-42 MS	BH-24 (4')	109	94
880-23099-42 MSD	BH-24 (4')	98	84
880-23099-43	BH-25 (4')	119	101

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-23099-1
Project/Site: MLMU Battery 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)
880-23099-44	BH-26 (4')	113	101
880-23099-45	BH-27 (4')	114	98
880-23099-46	BH-28 (3')	123	96
880-23099-47	BH-29 (3')	111	97
880-23099-48	BH-30 (3')	116	98
880-23099-49	BH-31 (4')	114	101
LCS 880-43078/1-A	Lab Control Sample	109	91
LCS 880-43079/1-A	Lab Control Sample	304 S1+	77
LCS 880-43080/1-A	Lab Control Sample	101	92
LCSD 880-43078/2-A	Lab Control Sample Dup	104	104
LCSD 880-43079/2-A	Lab Control Sample Dup	300 S1+	81
LCSD 880-43080/2-A	Lab Control Sample Dup	101	94
MB 880-42893/5-A	Method Blank	102	86
MB 880-42897/5-A	Method Blank	165 S1+	68 S1-
MB 880-43078/5-A	Method Blank	74	98
MB 880-43079/5-A	Method Blank	190 S1+	69 S1-
MB 880-43080/5-A	Method Blank	99	88

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)
880-23059-A-1-F MS	Matrix Spike	53 S1-	46 S1-
880-23059-A-1-G MSD	Matrix Spike Duplicate	68 S1-	60 S1-
880-23099-1	SW-1	87	98
880-23099-1 MS	SW-1	105	102
880-23099-1 MSD	SW-1	94	98
880-23099-2	SW-2	90	105
880-23099-3	SW-3	108	122
880-23099-4	SW-4	113	126
880-23099-5	SW-5	94	108
880-23099-6	SW-6	107	122
880-23099-7	SW-7	98	115
880-23099-8	SW-8	104	119
880-23099-9	SW-9	89	99
880-23099-10	SW-10	103	124
880-23099-11	SW-11	111	128
880-23099-12	SW-12	99	118
880-23099-13	SW-13	98	116
880-23099-14	SW-14	104	125
880-23099-15	SW-15	108	127
880-23099-16	SW-16	110	128
880-23099-17	SW-17	95	114
880-23099-18	SW-18	107	117
880-23099-19	BH-1 (4')	88	102

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-23099-1
Project/Site: MLMU Battery 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)
880-23099-20	BH-2 (4')	100	116
880-23099-21	BH-3 (4')	137 S1+	154 S1+
880-23099-21 MS	BH-3 (4')	122	117
880-23099-21 MSD	BH-3 (4')	111	111
880-23099-22	BH-4 (4')	149 S1+	159 S1+
880-23099-23	BH-5 (4')	143 S1+	147 S1+
880-23099-24	BH-6 (4')	120	134 S1+
880-23099-25	BH-7 (4')	139 S1+	150 S1+
880-23099-26	BH-8 (4')	109	122
880-23099-27	BH-9 (4')	107	120
880-23099-28	BH-10 (4')	112	129
880-23099-29	BH-11 (4')	126	135 S1+
880-23099-30	BH-12 (4')	110	124
880-23099-31	BH-13 (4')	112	126
880-23099-32	BH-14 (4')	113	127
880-23099-33	BH-15 (4')	107	121
880-23099-34	BH-16 (4')	124	132 S1+
880-23099-35	BH-17 (4')	112	123
880-23099-36	BH-18 (4')	107	118
880-23099-37	BH-19 (3')	128	133 S1+
880-23099-38	BH-20 (3')	109	119
880-23099-39	BH-21 (3')	111	122
880-23099-40	BH-22 (3')	116	128
880-23099-41	BH-23 (3')	112	98
880-23099-42	BH-24 (4')	139 S1+	115
880-23099-43	BH-25 (4')	120	103
880-23099-44	BH-26 (4')	119	100
880-23099-45	BH-27 (4')	130	103
880-23099-46	BH-28 (3')	74	72
880-23099-47	BH-29 (3')	70	67 S1-
880-23099-48	BH-30 (3')	79	76
880-23099-49	BH-31 (4')	69 S1-	62 S1-
890-3722-A-4-C MS	Matrix Spike	97	66 S1-
890-3722-A-4-D MSD	Matrix Spike Duplicate	98	65 S1-
LCS 880-42996/2-A	Lab Control Sample	106	118
LCS 880-43001/2-A	Lab Control Sample	121	145 S1+
LCS 880-43037/2-A	Lab Control Sample	127	94
LCS 880-43038/2-A	Lab Control Sample	127	131 S1+
LCSD 880-42996/3-A	Lab Control Sample Dup	119	132 S1+
LCSD 880-43001/3-A	Lab Control Sample Dup	105	131 S1+
LCSD 880-43037/3-A	Lab Control Sample Dup	112	83
LCSD 880-43038/3-A	Lab Control Sample Dup	91	97
MB 880-42996/1-A	Method Blank	115	127
MB 880-43001/1-A	Method Blank	115	146 S1+
MB 880-43037/1-A	Method Blank	103	93
MB 880-43038/1-A	Method Blank	114	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42893/5-A
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/29/22 13:04*	*01/03/23 14:20*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/29/22 13:04*	*01/03/23 14:20*	*1*

Lab Sample ID: MB 880-42897/5-A
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:31	01/03/23 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:31	01/03/23 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*12/29/22 13:31*	*01/03/23 12:36*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*12/29/22 13:31*	*01/03/23 12:36*	*1*

Lab Sample ID: MB 880-43078/5-A
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 19:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/03/23 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 12:53	01/03/23 19:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 12:53	01/03/23 19:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*01/03/23 12:53*	*01/03/23 19:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/03/23 12:53*	*01/03/23 19:46*	*1*

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-43078/1-A
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43078

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08446		mg/Kg		84	70 - 130		
Toluene			0.100	0.09098		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09197		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.2018		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09987		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-43078/2-A
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43078

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08402		mg/Kg		84	70 - 130	1	35
Toluene			0.100	0.08323		mg/Kg		83	70 - 130	9	35
Ethylbenzene			0.100	0.08442		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1784		mg/Kg		89	70 - 130	12	35
o-Xylene			0.100	0.08877		mg/Kg		89	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-23099-1 MS
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.09533		mg/Kg		94	70 - 130		
Toluene	<0.00199	U	0.101	0.08040		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00199	U F1	0.101	0.06675	F1	mg/Kg		66	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1250	F1	mg/Kg		62	70 - 130		
o-Xylene	<0.00199	U F1	0.101	0.06536	F1	mg/Kg		65	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-23099-1 MSD
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.07937		mg/Kg		80	70 - 130	18	35
Toluene	<0.00199	U	0.0996	0.07379		mg/Kg		74	70 - 130	9	35
Ethylbenzene	<0.00199	U F1	0.0996	0.06622	F1	mg/Kg		66	70 - 130	1	35

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: 880-23099-1 MSD
Matrix: Solid
Analysis Batch: 43087

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1343	F1	mg/Kg		67	70 - 130	7	35
o-Xylene	<0.00199	U F1	0.0996	0.07507		mg/Kg		75	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-43079/5-A
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 13:01	01/04/23 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:01	01/04/23 02:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 13:01	01/04/23 02:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*01/03/23 13:01*	*01/04/23 02:04*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*01/03/23 13:01*	*01/04/23 02:04*	*1*

Lab Sample ID: LCS 880-43079/1-A
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1359	*+	mg/Kg		136	70 - 130
Toluene	0.100	0.1325	*+	mg/Kg		133	70 - 130
Ethylbenzene	0.100	0.1616	*+	mg/Kg		162	70 - 130
m-Xylene & p-Xylene	0.200	0.3256	*+	mg/Kg		163	70 - 130
o-Xylene	0.100	0.1628	*+	mg/Kg		163	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*304*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

Lab Sample ID: LCSD 880-43079/2-A
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1425	*+	mg/Kg		143	70 - 130	5	35
Toluene	0.100	0.1363	*+	mg/Kg		136	70 - 130	3	35
Ethylbenzene	0.100	0.1587	*+	mg/Kg		159	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.3172	*+	mg/Kg		159	70 - 130	3	35
o-Xylene	0.100	0.1690	*+	mg/Kg		169	70 - 130	4	35

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	300	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-23099-21 MS
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: BH-3 (4')
Prep Type: Total/NA
Prep Batch: 43079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+	0.101	0.1073		mg/Kg		106	70 - 130
Toluene	<0.00200	U *+	0.101	0.1063		mg/Kg		105	70 - 130
Ethylbenzene	<0.00200	U *+	0.101	0.1202		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00400	U *+	0.202	0.2433		mg/Kg		121	70 - 130
o-Xylene	<0.00200	U *+	0.101	0.1227		mg/Kg		122	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	262	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-23099-21 MSD
Matrix: Solid
Analysis Batch: 43043

Client Sample ID: BH-3 (4')
Prep Type: Total/NA
Prep Batch: 43079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+	0.0996	0.1059		mg/Kg		106	70 - 130	1	35
Toluene	<0.00200	U *+	0.0996	0.1092		mg/Kg		110	70 - 130	3	35
Ethylbenzene	<0.00200	U *+	0.0996	0.1232		mg/Kg		124	70 - 130	3	35
m-Xylene & p-Xylene	<0.00400	U *+	0.199	0.2478		mg/Kg		124	70 - 130	2	35
o-Xylene	<0.00200	U *+	0.0996	0.1265		mg/Kg		127	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	258	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: MB 880-43080/5-A
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 01:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 01:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/03/23 13:11	01/04/23 01:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/03/23 13:11	01/04/23 01:05	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/03/23 13:11	01/04/23 01:05	1

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-43080/1-A
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43080

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08942		mg/Kg		89	70 - 130		
Toluene			0.100	0.08992		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.08518		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene			0.200	0.1838		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09273		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-43080/2-A
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43080

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09218		mg/Kg		92	70 - 130	3	35
Toluene			0.100	0.09272		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.08599		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1835		mg/Kg		92	70 - 130	0	35
o-Xylene			0.100	0.09268		mg/Kg		93	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-23099-42 MS
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: BH-24 (4')
Prep Type: Total/NA
Prep Batch: 43080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.08974		mg/Kg		89	70 - 130		
Toluene	<0.00199	U	0.101	0.08647		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00199	U	0.101	0.07433		mg/Kg		74	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1608		mg/Kg		80	70 - 130		
o-Xylene	<0.00199	U	0.101	0.08294		mg/Kg		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-23099-42 MSD
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: BH-24 (4')
Prep Type: Total/NA
Prep Batch: 43080

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	0.08211		mg/Kg		81	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.08442		mg/Kg		84	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.07409		mg/Kg		73	70 - 130	0	35

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: 880-23099-42 MSD
Matrix: Solid
Analysis Batch: 43041

Client Sample ID: BH-24 (4')
Prep Type: Total/NA
Prep Batch: 43080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1556		mg/Kg		77	70 - 130	3	35
o-Xylene	<0.00199	U	0.101	0.07670		mg/Kg		76	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

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

Lab Sample ID: MB 880-42996/1-A
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 00:12	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:05	12/31/22 00:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/30/22 15:05*	*12/31/22 00:12*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/30/22 15:05*	*12/31/22 00:12*	*1*

Lab Sample ID: LCS 880-42996/2-A
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42996

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	942.2		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: LCSD 880-42996/3-A
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		103	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1258		mg/Kg		126	70 - 130	12	20

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-42996/3-A
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42996

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: 880-23059-A-1-F MS
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 42996

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	958.3		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	534.1	F1	mg/Kg		51	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	53	S1-	70 - 130
o-Terphenyl	46	S1-	70 - 130

Lab Sample ID: 880-23059-A-1-G MSD
Matrix: Solid
Analysis Batch: 42937

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 42996

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	981.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	708.7	F1 F2	mg/Kg		69	70 - 130	28	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	60	S1-	70 - 130

Lab Sample ID: MB 880-43001/1-A
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/30/22 22:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/30/22 22:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/30/22 22:40	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 16:04	12/30/22 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/30/22 16:04	12/30/22 22:40	1
o-Terphenyl	146	S1+	70 - 130	12/30/22 16:04	12/30/22 22:40	1

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-43001/2-A
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43001

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	949.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1131		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*145*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-43001/3-A
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43001

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	815.4		mg/Kg		82	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1005		mg/Kg		100	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Lab Sample ID: 880-23099-1 MS
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43001

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	1074		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	590	F1	999	1310		mg/Kg		72	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 880-23099-1 MSD
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43001

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	943.6		mg/Kg		92	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	590	F1	999	1282	F1	mg/Kg		69	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: 880-23099-1 MSD
Matrix: Solid
Analysis Batch: 42932

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 43001

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-43037/1-A
Matrix: Solid
Analysis Batch: 43029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43037

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		01/03/23 08:31	01/03/23 08:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 08:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 08:45	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:31	01/03/23 08:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	01/03/23 08:31	01/03/23 08:45	1
o-Terphenyl	93		70 - 130	01/03/23 08:31	01/03/23 08:45	1

Lab Sample ID: LCS 880-43037/2-A
Matrix: Solid
Analysis Batch: 43029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.6		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-43037/3-A
Matrix: Solid
Analysis Batch: 43029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43037

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.6		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	907.1		mg/Kg		91	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: 890-3722-A-4-C MS
Matrix: Solid
Analysis Batch: 43029

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43037

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	999	962.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	978.6		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: 890-3722-A-4-D MSD
Matrix: Solid
Analysis Batch: 43029

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43037

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	999	1015		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	970.2		mg/Kg		94	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-43038/1-A
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43038

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		01/03/23 08:33	01/03/23 08:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 08:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 08:45	1
Total TPH	<50.0	U	50.0		mg/Kg		01/03/23 08:33	01/03/23 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*01/03/23 08:33*	*01/03/23 08:45*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*01/03/23 08:33*	*01/03/23 08:45*	*1*

Lab Sample ID: LCS 880-43038/2-A
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1355	*+	mg/Kg		136	70 - 130

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-43038/2-A
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43038

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-43038/3-A
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43038

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	853.5		mg/Kg		85	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	976.6	*1	mg/Kg		98	70 - 130	32	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-23099-21 MS
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: BH-3 (4')
Prep Type: Total/NA
Prep Batch: 43038

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	1121		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	999	1289		mg/Kg		127	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-23099-21 MSD
Matrix: Solid
Analysis Batch: 43031

Client Sample ID: BH-3 (4')
Prep Type: Total/NA
Prep Batch: 43038

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	1066		mg/Kg		105	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	999	1218		mg/Kg		120	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	111		70 - 130

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42868/1-A
Matrix: Solid
Analysis Batch: 42948

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			12/31/22 02:51	1

Lab Sample ID: LCS 880-42868/2-A
Matrix: Solid
Analysis Batch: 42948

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	263.9		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-42868/3-A
Matrix: Solid
Analysis Batch: 42948

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	256.2		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 880-23099-45 MS
Matrix: Solid
Analysis Batch: 42948

Client Sample ID: BH-27 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	797		252	1031		mg/Kg		93	90 - 110		

Lab Sample ID: 880-23099-45 MSD
Matrix: Solid
Analysis Batch: 42948

Client Sample ID: BH-27 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	797		252	1025		mg/Kg		91	90 - 110	1	20

Lab Sample ID: MB 880-42867/1-A
Matrix: Solid
Analysis Batch: 42949

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			12/31/22 10:20	1

Lab Sample ID: LCS 880-42867/2-A
Matrix: Solid
Analysis Batch: 42949

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-42867/3-A
Matrix: Solid
Analysis Batch: 42949

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	248.2		mg/Kg		99	90 - 110	2	20

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23099-1 MS
Matrix: Solid
Analysis Batch: 42949

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	158		251	411.9		mg/Kg		101	90 - 110

Lab Sample ID: 880-23099-1 MSD
Matrix: Solid
Analysis Batch: 42949

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	158		251	406.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-23099-11 MS
Matrix: Solid
Analysis Batch: 42949

Client Sample ID: SW-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.39	F1	248	9.905	F1	mg/Kg		0.2	90 - 110

Lab Sample ID: 880-23099-11 MSD
Matrix: Solid
Analysis Batch: 42949

Client Sample ID: SW-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.39	F1	248	10.22	F1	mg/Kg		0.3	90 - 110	3	20

Lab Sample ID: MB 880-42866/1-A
Matrix: Solid
Analysis Batch: 42954

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			12/31/22 13:06	1

Lab Sample ID: LCS 880-42866/2-A
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.8		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-42866/3-A
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	270.2		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-23099-21 MS
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: BH-3 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	173	F1	252	462.9	F1	mg/Kg		115	90 - 110

QC Sample Results

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

Job ID: 880-23099-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23099-21 MSD
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: BH-3 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	173	F1	252	453.4	F1	mg/Kg		111	90 - 110	2	20

Lab Sample ID: 880-23099-31 MS
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: BH-13 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	444	F1	250	725.5	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-23099-31 MSD
Matrix: Solid
Analysis Batch: 42954

Client Sample ID: BH-13 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	444	F1	250	709.8		mg/Kg		106	90 - 110	2	20

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC VOA

Prep Batch: 42893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42893/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42897/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 43041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Total/NA	Solid	8021B	43080
880-23099-42	BH-24 (4')	Total/NA	Solid	8021B	43080
880-23099-43	BH-25 (4')	Total/NA	Solid	8021B	43080
880-23099-44	BH-26 (4')	Total/NA	Solid	8021B	43080
880-23099-45	BH-27 (4')	Total/NA	Solid	8021B	43080
880-23099-46	BH-28 (3')	Total/NA	Solid	8021B	43080
880-23099-47	BH-29 (3')	Total/NA	Solid	8021B	43080
880-23099-48	BH-30 (3')	Total/NA	Solid	8021B	43080
880-23099-49	BH-31 (4')	Total/NA	Solid	8021B	43080
MB 880-42893/5-A	Method Blank	Total/NA	Solid	8021B	42893
MB 880-43080/5-A	Method Blank	Total/NA	Solid	8021B	43080
LCS 880-43080/1-A	Lab Control Sample	Total/NA	Solid	8021B	43080
LCSD 880-43080/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43080
880-23099-42 MS	BH-24 (4')	Total/NA	Solid	8021B	43080
880-23099-42 MSD	BH-24 (4')	Total/NA	Solid	8021B	43080

Analysis Batch: 43043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Total/NA	Solid	8021B	43079
880-23099-22	BH-4 (4')	Total/NA	Solid	8021B	43079
880-23099-23	BH-5 (4')	Total/NA	Solid	8021B	43079
880-23099-24	BH-6 (4')	Total/NA	Solid	8021B	43079
880-23099-25	BH-7 (4')	Total/NA	Solid	8021B	43079
880-23099-26	BH-8 (4')	Total/NA	Solid	8021B	43079
880-23099-27	BH-9 (4')	Total/NA	Solid	8021B	43079
880-23099-28	BH-10 (4')	Total/NA	Solid	8021B	43079
880-23099-29	BH-11 (4')	Total/NA	Solid	8021B	43079
880-23099-30	BH-12 (4')	Total/NA	Solid	8021B	43079
880-23099-31	BH-13 (4')	Total/NA	Solid	8021B	43079
880-23099-32	BH-14 (4')	Total/NA	Solid	8021B	43079
880-23099-33	BH-15 (4')	Total/NA	Solid	8021B	43079
880-23099-34	BH-16 (4')	Total/NA	Solid	8021B	43079
880-23099-35	BH-17 (4')	Total/NA	Solid	8021B	43079
880-23099-36	BH-18 (4')	Total/NA	Solid	8021B	43079
880-23099-37	BH-19 (3')	Total/NA	Solid	8021B	43079
880-23099-38	BH-20 (3')	Total/NA	Solid	8021B	43079
880-23099-39	BH-21 (3')	Total/NA	Solid	8021B	43079
880-23099-40	BH-22 (3')	Total/NA	Solid	8021B	43079
MB 880-42897/5-A	Method Blank	Total/NA	Solid	8021B	42897
MB 880-43079/5-A	Method Blank	Total/NA	Solid	8021B	43079
LCS 880-43079/1-A	Lab Control Sample	Total/NA	Solid	8021B	43079
LCSD 880-43079/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43079
880-23099-21 MS	BH-3 (4')	Total/NA	Solid	8021B	43079

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 43043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21 MSD	BH-3 (4')	Total/NA	Solid	8021B	43079

Prep Batch: 43078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	5035	
880-23099-2	SW-2	Total/NA	Solid	5035	
880-23099-3	SW-3	Total/NA	Solid	5035	
880-23099-4	SW-4	Total/NA	Solid	5035	
880-23099-5	SW-5	Total/NA	Solid	5035	
880-23099-6	SW-6	Total/NA	Solid	5035	
880-23099-7	SW-7	Total/NA	Solid	5035	
880-23099-8	SW-8	Total/NA	Solid	5035	
880-23099-9	SW-9	Total/NA	Solid	5035	
880-23099-10	SW-10	Total/NA	Solid	5035	
880-23099-11	SW-11	Total/NA	Solid	5035	
880-23099-12	SW-12	Total/NA	Solid	5035	
880-23099-13	SW-13	Total/NA	Solid	5035	
880-23099-14	SW-14	Total/NA	Solid	5035	
880-23099-15	SW-15	Total/NA	Solid	5035	
880-23099-16	SW-16	Total/NA	Solid	5035	
880-23099-17	SW-17	Total/NA	Solid	5035	
880-23099-18	SW-18	Total/NA	Solid	5035	
880-23099-19	BH-1 (4')	Total/NA	Solid	5035	
880-23099-20	BH-2 (4')	Total/NA	Solid	5035	
MB 880-43078/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43078/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43078/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23099-1 MS	SW-1	Total/NA	Solid	5035	
880-23099-1 MSD	SW-1	Total/NA	Solid	5035	

Prep Batch: 43079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Total/NA	Solid	5035	
880-23099-22	BH-4 (4')	Total/NA	Solid	5035	
880-23099-23	BH-5 (4')	Total/NA	Solid	5035	
880-23099-24	BH-6 (4')	Total/NA	Solid	5035	
880-23099-25	BH-7 (4')	Total/NA	Solid	5035	
880-23099-26	BH-8 (4')	Total/NA	Solid	5035	
880-23099-27	BH-9 (4')	Total/NA	Solid	5035	
880-23099-28	BH-10 (4')	Total/NA	Solid	5035	
880-23099-29	BH-11 (4')	Total/NA	Solid	5035	
880-23099-30	BH-12 (4')	Total/NA	Solid	5035	
880-23099-31	BH-13 (4')	Total/NA	Solid	5035	
880-23099-32	BH-14 (4')	Total/NA	Solid	5035	
880-23099-33	BH-15 (4')	Total/NA	Solid	5035	
880-23099-34	BH-16 (4')	Total/NA	Solid	5035	
880-23099-35	BH-17 (4')	Total/NA	Solid	5035	
880-23099-36	BH-18 (4')	Total/NA	Solid	5035	
880-23099-37	BH-19 (3')	Total/NA	Solid	5035	
880-23099-38	BH-20 (3')	Total/NA	Solid	5035	
880-23099-39	BH-21 (3')	Total/NA	Solid	5035	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 43079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-40	BH-22 (3')	Total/NA	Solid	5035	
MB 880-43079/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43079/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43079/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23099-21 MS	BH-3 (4')	Total/NA	Solid	5035	
880-23099-21 MSD	BH-3 (4')	Total/NA	Solid	5035	

Prep Batch: 43080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Total/NA	Solid	5035	
880-23099-42	BH-24 (4')	Total/NA	Solid	5035	
880-23099-43	BH-25 (4')	Total/NA	Solid	5035	
880-23099-44	BH-26 (4')	Total/NA	Solid	5035	
880-23099-45	BH-27 (4')	Total/NA	Solid	5035	
880-23099-46	BH-28 (3')	Total/NA	Solid	5035	
880-23099-47	BH-29 (3')	Total/NA	Solid	5035	
880-23099-48	BH-30 (3')	Total/NA	Solid	5035	
880-23099-49	BH-31 (4')	Total/NA	Solid	5035	
MB 880-43080/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43080/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43080/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23099-42 MS	BH-24 (4')	Total/NA	Solid	5035	
880-23099-42 MSD	BH-24 (4')	Total/NA	Solid	5035	

Analysis Batch: 43087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	8021B	43078
880-23099-2	SW-2	Total/NA	Solid	8021B	43078
880-23099-3	SW-3	Total/NA	Solid	8021B	43078
880-23099-4	SW-4	Total/NA	Solid	8021B	43078
880-23099-5	SW-5	Total/NA	Solid	8021B	43078
880-23099-6	SW-6	Total/NA	Solid	8021B	43078
880-23099-7	SW-7	Total/NA	Solid	8021B	43078
880-23099-8	SW-8	Total/NA	Solid	8021B	43078
880-23099-9	SW-9	Total/NA	Solid	8021B	43078
880-23099-10	SW-10	Total/NA	Solid	8021B	43078
880-23099-11	SW-11	Total/NA	Solid	8021B	43078
880-23099-12	SW-12	Total/NA	Solid	8021B	43078
880-23099-13	SW-13	Total/NA	Solid	8021B	43078
880-23099-14	SW-14	Total/NA	Solid	8021B	43078
880-23099-15	SW-15	Total/NA	Solid	8021B	43078
880-23099-16	SW-16	Total/NA	Solid	8021B	43078
880-23099-17	SW-17	Total/NA	Solid	8021B	43078
880-23099-18	SW-18	Total/NA	Solid	8021B	43078
880-23099-19	BH-1 (4')	Total/NA	Solid	8021B	43078
880-23099-20	BH-2 (4')	Total/NA	Solid	8021B	43078
MB 880-43078/5-A	Method Blank	Total/NA	Solid	8021B	43078
LCS 880-43078/1-A	Lab Control Sample	Total/NA	Solid	8021B	43078
LCSD 880-43078/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43078
880-23099-1 MS	SW-1	Total/NA	Solid	8021B	43078
880-23099-1 MSD	SW-1	Total/NA	Solid	8021B	43078

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 43133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	Total BTEX	
880-23099-2	SW-2	Total/NA	Solid	Total BTEX	
880-23099-3	SW-3	Total/NA	Solid	Total BTEX	
880-23099-4	SW-4	Total/NA	Solid	Total BTEX	
880-23099-5	SW-5	Total/NA	Solid	Total BTEX	
880-23099-6	SW-6	Total/NA	Solid	Total BTEX	
880-23099-7	SW-7	Total/NA	Solid	Total BTEX	
880-23099-8	SW-8	Total/NA	Solid	Total BTEX	
880-23099-9	SW-9	Total/NA	Solid	Total BTEX	
880-23099-10	SW-10	Total/NA	Solid	Total BTEX	
880-23099-11	SW-11	Total/NA	Solid	Total BTEX	
880-23099-12	SW-12	Total/NA	Solid	Total BTEX	
880-23099-13	SW-13	Total/NA	Solid	Total BTEX	
880-23099-14	SW-14	Total/NA	Solid	Total BTEX	
880-23099-15	SW-15	Total/NA	Solid	Total BTEX	
880-23099-16	SW-16	Total/NA	Solid	Total BTEX	
880-23099-17	SW-17	Total/NA	Solid	Total BTEX	
880-23099-18	SW-18	Total/NA	Solid	Total BTEX	
880-23099-19	BH-1 (4')	Total/NA	Solid	Total BTEX	
880-23099-20	BH-2 (4')	Total/NA	Solid	Total BTEX	
880-23099-21	BH-3 (4')	Total/NA	Solid	Total BTEX	
880-23099-22	BH-4 (4')	Total/NA	Solid	Total BTEX	
880-23099-23	BH-5 (4')	Total/NA	Solid	Total BTEX	
880-23099-24	BH-6 (4')	Total/NA	Solid	Total BTEX	
880-23099-25	BH-7 (4')	Total/NA	Solid	Total BTEX	
880-23099-26	BH-8 (4')	Total/NA	Solid	Total BTEX	
880-23099-27	BH-9 (4')	Total/NA	Solid	Total BTEX	
880-23099-28	BH-10 (4')	Total/NA	Solid	Total BTEX	
880-23099-29	BH-11 (4')	Total/NA	Solid	Total BTEX	
880-23099-30	BH-12 (4')	Total/NA	Solid	Total BTEX	
880-23099-31	BH-13 (4')	Total/NA	Solid	Total BTEX	
880-23099-32	BH-14 (4')	Total/NA	Solid	Total BTEX	
880-23099-33	BH-15 (4')	Total/NA	Solid	Total BTEX	
880-23099-34	BH-16 (4')	Total/NA	Solid	Total BTEX	
880-23099-35	BH-17 (4')	Total/NA	Solid	Total BTEX	
880-23099-36	BH-18 (4')	Total/NA	Solid	Total BTEX	
880-23099-37	BH-19 (3')	Total/NA	Solid	Total BTEX	
880-23099-38	BH-20 (3')	Total/NA	Solid	Total BTEX	
880-23099-39	BH-21 (3')	Total/NA	Solid	Total BTEX	
880-23099-40	BH-22 (3')	Total/NA	Solid	Total BTEX	
880-23099-41	BH-23 (3')	Total/NA	Solid	Total BTEX	
880-23099-42	BH-24 (4')	Total/NA	Solid	Total BTEX	
880-23099-43	BH-25 (4')	Total/NA	Solid	Total BTEX	
880-23099-44	BH-26 (4')	Total/NA	Solid	Total BTEX	
880-23099-45	BH-27 (4')	Total/NA	Solid	Total BTEX	
880-23099-46	BH-28 (3')	Total/NA	Solid	Total BTEX	
880-23099-47	BH-29 (3')	Total/NA	Solid	Total BTEX	
880-23099-48	BH-30 (3')	Total/NA	Solid	Total BTEX	
880-23099-49	BH-31 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 42932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	8015B NM	43001
880-23099-2	SW-2	Total/NA	Solid	8015B NM	43001
880-23099-3	SW-3	Total/NA	Solid	8015B NM	43001
880-23099-4	SW-4	Total/NA	Solid	8015B NM	43001
880-23099-5	SW-5	Total/NA	Solid	8015B NM	43001
880-23099-6	SW-6	Total/NA	Solid	8015B NM	43001
880-23099-7	SW-7	Total/NA	Solid	8015B NM	43001
880-23099-8	SW-8	Total/NA	Solid	8015B NM	43001
880-23099-9	SW-9	Total/NA	Solid	8015B NM	43001
880-23099-10	SW-10	Total/NA	Solid	8015B NM	43001
880-23099-11	SW-11	Total/NA	Solid	8015B NM	43001
880-23099-12	SW-12	Total/NA	Solid	8015B NM	43001
880-23099-13	SW-13	Total/NA	Solid	8015B NM	43001
880-23099-14	SW-14	Total/NA	Solid	8015B NM	43001
880-23099-15	SW-15	Total/NA	Solid	8015B NM	43001
880-23099-16	SW-16	Total/NA	Solid	8015B NM	43001
880-23099-17	SW-17	Total/NA	Solid	8015B NM	43001
880-23099-18	SW-18	Total/NA	Solid	8015B NM	43001
880-23099-19	BH-1 (4')	Total/NA	Solid	8015B NM	43001
880-23099-20	BH-2 (4')	Total/NA	Solid	8015B NM	43001
MB 880-43001/1-A	Method Blank	Total/NA	Solid	8015B NM	43001
LCS 880-43001/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43001
LCSD 880-43001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43001
880-23099-1 MS	SW-1	Total/NA	Solid	8015B NM	43001
880-23099-1 MSD	SW-1	Total/NA	Solid	8015B NM	43001

Analysis Batch: 42937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-46	BH-28 (3')	Total/NA	Solid	8015B NM	42996
880-23099-47	BH-29 (3')	Total/NA	Solid	8015B NM	42996
880-23099-48	BH-30 (3')	Total/NA	Solid	8015B NM	42996
880-23099-49	BH-31 (4')	Total/NA	Solid	8015B NM	42996
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015B NM	42996
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42996
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42996
880-23059-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	42996
880-23059-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42996

Prep Batch: 42996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-46	BH-28 (3')	Total/NA	Solid	8015NM Prep	
880-23099-47	BH-29 (3')	Total/NA	Solid	8015NM Prep	
880-23099-48	BH-30 (3')	Total/NA	Solid	8015NM Prep	
880-23099-49	BH-31 (4')	Total/NA	Solid	8015NM Prep	
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23059-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23059-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 43001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	8015NM Prep	
880-23099-2	SW-2	Total/NA	Solid	8015NM Prep	
880-23099-3	SW-3	Total/NA	Solid	8015NM Prep	
880-23099-4	SW-4	Total/NA	Solid	8015NM Prep	
880-23099-5	SW-5	Total/NA	Solid	8015NM Prep	
880-23099-6	SW-6	Total/NA	Solid	8015NM Prep	
880-23099-7	SW-7	Total/NA	Solid	8015NM Prep	
880-23099-8	SW-8	Total/NA	Solid	8015NM Prep	
880-23099-9	SW-9	Total/NA	Solid	8015NM Prep	
880-23099-10	SW-10	Total/NA	Solid	8015NM Prep	
880-23099-11	SW-11	Total/NA	Solid	8015NM Prep	
880-23099-12	SW-12	Total/NA	Solid	8015NM Prep	
880-23099-13	SW-13	Total/NA	Solid	8015NM Prep	
880-23099-14	SW-14	Total/NA	Solid	8015NM Prep	
880-23099-15	SW-15	Total/NA	Solid	8015NM Prep	
880-23099-16	SW-16	Total/NA	Solid	8015NM Prep	
880-23099-17	SW-17	Total/NA	Solid	8015NM Prep	
880-23099-18	SW-18	Total/NA	Solid	8015NM Prep	
880-23099-19	BH-1 (4')	Total/NA	Solid	8015NM Prep	
880-23099-20	BH-2 (4')	Total/NA	Solid	8015NM Prep	
MB 880-43001/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43001/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23099-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
880-23099-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Total/NA	Solid	8015B NM	43037
880-23099-42	BH-24 (4')	Total/NA	Solid	8015B NM	43037
880-23099-43	BH-25 (4')	Total/NA	Solid	8015B NM	43037
880-23099-44	BH-26 (4')	Total/NA	Solid	8015B NM	43037
880-23099-45	BH-27 (4')	Total/NA	Solid	8015B NM	43037
MB 880-43037/1-A	Method Blank	Total/NA	Solid	8015B NM	43037
LCS 880-43037/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43037
LCSD 880-43037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43037
890-3722-A-4-C MS	Matrix Spike	Total/NA	Solid	8015B NM	43037
890-3722-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43037

Analysis Batch: 43031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Total/NA	Solid	8015B NM	43038
880-23099-22	BH-4 (4')	Total/NA	Solid	8015B NM	43038
880-23099-23	BH-5 (4')	Total/NA	Solid	8015B NM	43038
880-23099-24	BH-6 (4')	Total/NA	Solid	8015B NM	43038
880-23099-25	BH-7 (4')	Total/NA	Solid	8015B NM	43038
880-23099-26	BH-8 (4')	Total/NA	Solid	8015B NM	43038
880-23099-27	BH-9 (4')	Total/NA	Solid	8015B NM	43038
880-23099-28	BH-10 (4')	Total/NA	Solid	8015B NM	43038
880-23099-29	BH-11 (4')	Total/NA	Solid	8015B NM	43038
880-23099-30	BH-12 (4')	Total/NA	Solid	8015B NM	43038

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 43031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-31	BH-13 (4')	Total/NA	Solid	8015B NM	43038
880-23099-32	BH-14 (4')	Total/NA	Solid	8015B NM	43038
880-23099-33	BH-15 (4')	Total/NA	Solid	8015B NM	43038
880-23099-34	BH-16 (4')	Total/NA	Solid	8015B NM	43038
880-23099-35	BH-17 (4')	Total/NA	Solid	8015B NM	43038
880-23099-36	BH-18 (4')	Total/NA	Solid	8015B NM	43038
880-23099-37	BH-19 (3')	Total/NA	Solid	8015B NM	43038
880-23099-38	BH-20 (3')	Total/NA	Solid	8015B NM	43038
880-23099-39	BH-21 (3')	Total/NA	Solid	8015B NM	43038
880-23099-40	BH-22 (3')	Total/NA	Solid	8015B NM	43038
MB 880-43038/1-A	Method Blank	Total/NA	Solid	8015B NM	43038
LCS 880-43038/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43038
LCSD 880-43038/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43038
880-23099-21 MS	BH-3 (4')	Total/NA	Solid	8015B NM	43038
880-23099-21 MSD	BH-3 (4')	Total/NA	Solid	8015B NM	43038

Prep Batch: 43037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Total/NA	Solid	8015NM Prep	
880-23099-42	BH-24 (4')	Total/NA	Solid	8015NM Prep	
880-23099-43	BH-25 (4')	Total/NA	Solid	8015NM Prep	
880-23099-44	BH-26 (4')	Total/NA	Solid	8015NM Prep	
880-23099-45	BH-27 (4')	Total/NA	Solid	8015NM Prep	
MB 880-43037/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43037/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3722-A-4-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3722-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 43038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Total/NA	Solid	8015NM Prep	
880-23099-22	BH-4 (4')	Total/NA	Solid	8015NM Prep	
880-23099-23	BH-5 (4')	Total/NA	Solid	8015NM Prep	
880-23099-24	BH-6 (4')	Total/NA	Solid	8015NM Prep	
880-23099-25	BH-7 (4')	Total/NA	Solid	8015NM Prep	
880-23099-26	BH-8 (4')	Total/NA	Solid	8015NM Prep	
880-23099-27	BH-9 (4')	Total/NA	Solid	8015NM Prep	
880-23099-28	BH-10 (4')	Total/NA	Solid	8015NM Prep	
880-23099-29	BH-11 (4')	Total/NA	Solid	8015NM Prep	
880-23099-30	BH-12 (4')	Total/NA	Solid	8015NM Prep	
880-23099-31	BH-13 (4')	Total/NA	Solid	8015NM Prep	
880-23099-32	BH-14 (4')	Total/NA	Solid	8015NM Prep	
880-23099-33	BH-15 (4')	Total/NA	Solid	8015NM Prep	
880-23099-34	BH-16 (4')	Total/NA	Solid	8015NM Prep	
880-23099-35	BH-17 (4')	Total/NA	Solid	8015NM Prep	
880-23099-36	BH-18 (4')	Total/NA	Solid	8015NM Prep	
880-23099-37	BH-19 (3')	Total/NA	Solid	8015NM Prep	
880-23099-38	BH-20 (3')	Total/NA	Solid	8015NM Prep	
880-23099-39	BH-21 (3')	Total/NA	Solid	8015NM Prep	
880-23099-40	BH-22 (3')	Total/NA	Solid	8015NM Prep	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 43038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43038/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43038/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43038/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23099-21 MS	BH-3 (4')	Total/NA	Solid	8015NM Prep	
880-23099-21 MSD	BH-3 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Total/NA	Solid	8015 NM	
880-23099-2	SW-2	Total/NA	Solid	8015 NM	
880-23099-3	SW-3	Total/NA	Solid	8015 NM	
880-23099-4	SW-4	Total/NA	Solid	8015 NM	
880-23099-5	SW-5	Total/NA	Solid	8015 NM	
880-23099-6	SW-6	Total/NA	Solid	8015 NM	
880-23099-7	SW-7	Total/NA	Solid	8015 NM	
880-23099-8	SW-8	Total/NA	Solid	8015 NM	
880-23099-9	SW-9	Total/NA	Solid	8015 NM	
880-23099-10	SW-10	Total/NA	Solid	8015 NM	
880-23099-11	SW-11	Total/NA	Solid	8015 NM	
880-23099-12	SW-12	Total/NA	Solid	8015 NM	
880-23099-13	SW-13	Total/NA	Solid	8015 NM	
880-23099-14	SW-14	Total/NA	Solid	8015 NM	
880-23099-15	SW-15	Total/NA	Solid	8015 NM	
880-23099-16	SW-16	Total/NA	Solid	8015 NM	
880-23099-17	SW-17	Total/NA	Solid	8015 NM	
880-23099-18	SW-18	Total/NA	Solid	8015 NM	
880-23099-19	BH-1 (4')	Total/NA	Solid	8015 NM	
880-23099-20	BH-2 (4')	Total/NA	Solid	8015 NM	
880-23099-21	BH-3 (4')	Total/NA	Solid	8015 NM	
880-23099-22	BH-4 (4')	Total/NA	Solid	8015 NM	
880-23099-23	BH-5 (4')	Total/NA	Solid	8015 NM	
880-23099-24	BH-6 (4')	Total/NA	Solid	8015 NM	
880-23099-25	BH-7 (4')	Total/NA	Solid	8015 NM	
880-23099-26	BH-8 (4')	Total/NA	Solid	8015 NM	
880-23099-27	BH-9 (4')	Total/NA	Solid	8015 NM	
880-23099-28	BH-10 (4')	Total/NA	Solid	8015 NM	
880-23099-29	BH-11 (4')	Total/NA	Solid	8015 NM	
880-23099-30	BH-12 (4')	Total/NA	Solid	8015 NM	
880-23099-31	BH-13 (4')	Total/NA	Solid	8015 NM	
880-23099-32	BH-14 (4')	Total/NA	Solid	8015 NM	
880-23099-33	BH-15 (4')	Total/NA	Solid	8015 NM	
880-23099-34	BH-16 (4')	Total/NA	Solid	8015 NM	
880-23099-35	BH-17 (4')	Total/NA	Solid	8015 NM	
880-23099-36	BH-18 (4')	Total/NA	Solid	8015 NM	
880-23099-37	BH-19 (3')	Total/NA	Solid	8015 NM	
880-23099-38	BH-20 (3')	Total/NA	Solid	8015 NM	
880-23099-39	BH-21 (3')	Total/NA	Solid	8015 NM	
880-23099-40	BH-22 (3')	Total/NA	Solid	8015 NM	
880-23099-41	BH-23 (3')	Total/NA	Solid	8015 NM	
880-23099-42	BH-24 (4')	Total/NA	Solid	8015 NM	
880-23099-43	BH-25 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 43052 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-44	BH-26 (4')	Total/NA	Solid	8015 NM	
880-23099-45	BH-27 (4')	Total/NA	Solid	8015 NM	
880-23099-46	BH-28 (3')	Total/NA	Solid	8015 NM	
880-23099-47	BH-29 (3')	Total/NA	Solid	8015 NM	
880-23099-48	BH-30 (3')	Total/NA	Solid	8015 NM	
880-23099-49	BH-31 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Soluble	Solid	DI Leach	
880-23099-22	BH-4 (4')	Soluble	Solid	DI Leach	
880-23099-23	BH-5 (4')	Soluble	Solid	DI Leach	
880-23099-24	BH-6 (4')	Soluble	Solid	DI Leach	
880-23099-25	BH-7 (4')	Soluble	Solid	DI Leach	
880-23099-26	BH-8 (4')	Soluble	Solid	DI Leach	
880-23099-27	BH-9 (4')	Soluble	Solid	DI Leach	
880-23099-28	BH-10 (4')	Soluble	Solid	DI Leach	
880-23099-29	BH-11 (4')	Soluble	Solid	DI Leach	
880-23099-30	BH-12 (4')	Soluble	Solid	DI Leach	
880-23099-31	BH-13 (4')	Soluble	Solid	DI Leach	
880-23099-32	BH-14 (4')	Soluble	Solid	DI Leach	
880-23099-33	BH-15 (4')	Soluble	Solid	DI Leach	
880-23099-34	BH-16 (4')	Soluble	Solid	DI Leach	
880-23099-35	BH-17 (4')	Soluble	Solid	DI Leach	
880-23099-36	BH-18 (4')	Soluble	Solid	DI Leach	
880-23099-37	BH-19 (3')	Soluble	Solid	DI Leach	
880-23099-38	BH-20 (3')	Soluble	Solid	DI Leach	
880-23099-39	BH-21 (3')	Soluble	Solid	DI Leach	
880-23099-40	BH-22 (3')	Soluble	Solid	DI Leach	
MB 880-42866/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42866/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42866/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23099-21 MS	BH-3 (4')	Soluble	Solid	DI Leach	
880-23099-21 MSD	BH-3 (4')	Soluble	Solid	DI Leach	
880-23099-31 MS	BH-13 (4')	Soluble	Solid	DI Leach	
880-23099-31 MSD	BH-13 (4')	Soluble	Solid	DI Leach	

Leach Batch: 42867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Soluble	Solid	DI Leach	
880-23099-2	SW-2	Soluble	Solid	DI Leach	
880-23099-3	SW-3	Soluble	Solid	DI Leach	
880-23099-4	SW-4	Soluble	Solid	DI Leach	
880-23099-5	SW-5	Soluble	Solid	DI Leach	
880-23099-6	SW-6	Soluble	Solid	DI Leach	
880-23099-7	SW-7	Soluble	Solid	DI Leach	
880-23099-8	SW-8	Soluble	Solid	DI Leach	
880-23099-9	SW-9	Soluble	Solid	DI Leach	
880-23099-10	SW-10	Soluble	Solid	DI Leach	

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 42867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-11	SW-11	Soluble	Solid	DI Leach	
880-23099-12	SW-12	Soluble	Solid	DI Leach	
880-23099-13	SW-13	Soluble	Solid	DI Leach	
880-23099-14	SW-14	Soluble	Solid	DI Leach	
880-23099-15	SW-15	Soluble	Solid	DI Leach	
880-23099-16	SW-16	Soluble	Solid	DI Leach	
880-23099-17	SW-17	Soluble	Solid	DI Leach	
880-23099-18	SW-18	Soluble	Solid	DI Leach	
880-23099-19	BH-1 (4')	Soluble	Solid	DI Leach	
880-23099-20	BH-2 (4')	Soluble	Solid	DI Leach	
MB 880-42867/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42867/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42867/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23099-1 MS	SW-1	Soluble	Solid	DI Leach	
880-23099-1 MSD	SW-1	Soluble	Solid	DI Leach	
880-23099-11 MS	SW-11	Soluble	Solid	DI Leach	
880-23099-11 MSD	SW-11	Soluble	Solid	DI Leach	

Leach Batch: 42868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Soluble	Solid	DI Leach	
880-23099-42	BH-24 (4')	Soluble	Solid	DI Leach	
880-23099-43	BH-25 (4')	Soluble	Solid	DI Leach	
880-23099-44	BH-26 (4')	Soluble	Solid	DI Leach	
880-23099-45	BH-27 (4')	Soluble	Solid	DI Leach	
880-23099-46	BH-28 (3')	Soluble	Solid	DI Leach	
880-23099-47	BH-29 (3')	Soluble	Solid	DI Leach	
880-23099-48	BH-30 (3')	Soluble	Solid	DI Leach	
880-23099-49	BH-31 (4')	Soluble	Solid	DI Leach	
MB 880-42868/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42868/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42868/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23099-45 MS	BH-27 (4')	Soluble	Solid	DI Leach	
880-23099-45 MSD	BH-27 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 42948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-41	BH-23 (3')	Soluble	Solid	300.0	42868
880-23099-42	BH-24 (4')	Soluble	Solid	300.0	42868
880-23099-43	BH-25 (4')	Soluble	Solid	300.0	42868
880-23099-44	BH-26 (4')	Soluble	Solid	300.0	42868
880-23099-45	BH-27 (4')	Soluble	Solid	300.0	42868
880-23099-46	BH-28 (3')	Soluble	Solid	300.0	42868
880-23099-47	BH-29 (3')	Soluble	Solid	300.0	42868
880-23099-48	BH-30 (3')	Soluble	Solid	300.0	42868
880-23099-49	BH-31 (4')	Soluble	Solid	300.0	42868
MB 880-42868/1-A	Method Blank	Soluble	Solid	300.0	42868
LCS 880-42868/2-A	Lab Control Sample	Soluble	Solid	300.0	42868
LCSD 880-42868/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42868
880-23099-45 MS	BH-27 (4')	Soluble	Solid	300.0	42868
880-23099-45 MSD	BH-27 (4')	Soluble	Solid	300.0	42868

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 42949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-1	SW-1	Soluble	Solid	300.0	42867
880-23099-2	SW-2	Soluble	Solid	300.0	42867
880-23099-3	SW-3	Soluble	Solid	300.0	42867
880-23099-4	SW-4	Soluble	Solid	300.0	42867
880-23099-5	SW-5	Soluble	Solid	300.0	42867
880-23099-6	SW-6	Soluble	Solid	300.0	42867
880-23099-7	SW-7	Soluble	Solid	300.0	42867
880-23099-8	SW-8	Soluble	Solid	300.0	42867
880-23099-9	SW-9	Soluble	Solid	300.0	42867
880-23099-10	SW-10	Soluble	Solid	300.0	42867
880-23099-11	SW-11	Soluble	Solid	300.0	42867
880-23099-12	SW-12	Soluble	Solid	300.0	42867
880-23099-13	SW-13	Soluble	Solid	300.0	42867
880-23099-14	SW-14	Soluble	Solid	300.0	42867
880-23099-15	SW-15	Soluble	Solid	300.0	42867
880-23099-16	SW-16	Soluble	Solid	300.0	42867
880-23099-17	SW-17	Soluble	Solid	300.0	42867
880-23099-18	SW-18	Soluble	Solid	300.0	42867
880-23099-19	BH-1 (4')	Soluble	Solid	300.0	42867
880-23099-20	BH-2 (4')	Soluble	Solid	300.0	42867
MB 880-42867/1-A	Method Blank	Soluble	Solid	300.0	42867
LCS 880-42867/2-A	Lab Control Sample	Soluble	Solid	300.0	42867
LCSD 880-42867/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42867
880-23099-1 MS	SW-1	Soluble	Solid	300.0	42867
880-23099-1 MSD	SW-1	Soluble	Solid	300.0	42867
880-23099-11 MS	SW-11	Soluble	Solid	300.0	42867
880-23099-11 MSD	SW-11	Soluble	Solid	300.0	42867

Analysis Batch: 42954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23099-21	BH-3 (4')	Soluble	Solid	300.0	42866
880-23099-22	BH-4 (4')	Soluble	Solid	300.0	42866
880-23099-23	BH-5 (4')	Soluble	Solid	300.0	42866
880-23099-24	BH-6 (4')	Soluble	Solid	300.0	42866
880-23099-25	BH-7 (4')	Soluble	Solid	300.0	42866
880-23099-26	BH-8 (4')	Soluble	Solid	300.0	42866
880-23099-27	BH-9 (4')	Soluble	Solid	300.0	42866
880-23099-28	BH-10 (4')	Soluble	Solid	300.0	42866
880-23099-29	BH-11 (4')	Soluble	Solid	300.0	42866
880-23099-30	BH-12 (4')	Soluble	Solid	300.0	42866
880-23099-31	BH-13 (4')	Soluble	Solid	300.0	42866
880-23099-32	BH-14 (4')	Soluble	Solid	300.0	42866
880-23099-33	BH-15 (4')	Soluble	Solid	300.0	42866
880-23099-34	BH-16 (4')	Soluble	Solid	300.0	42866
880-23099-35	BH-17 (4')	Soluble	Solid	300.0	42866
880-23099-36	BH-18 (4')	Soluble	Solid	300.0	42866
880-23099-37	BH-19 (3')	Soluble	Solid	300.0	42866
880-23099-38	BH-20 (3')	Soluble	Solid	300.0	42866
880-23099-39	BH-21 (3')	Soluble	Solid	300.0	42866
880-23099-40	BH-22 (3')	Soluble	Solid	300.0	42866
MB 880-42866/1-A	Method Blank	Soluble	Solid	300.0	42866

QC Association Summary

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

Job ID: 880-23099-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 42954 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-42866/2-A	Lab Control Sample	Soluble	Solid	300.0	42866
LCSD 880-42866/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42866
880-23099-21 MS	BH-3 (4')	Soluble	Solid	300.0	42866
880-23099-21 MSD	BH-3 (4')	Soluble	Solid	300.0	42866
880-23099-31 MS	BH-13 (4')	Soluble	Solid	300.0	42866
880-23099-31 MSD	BH-13 (4')	Soluble	Solid	300.0	42866

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-1
Date Collected: 12/27/22 09:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-1
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			5.03 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 20:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 10:35	CH	EET MID

Client Sample ID: SW-2
Date Collected: 12/27/22 09:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-2
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			4.96 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 10:49	CH	EET MID

Client Sample ID: SW-3
Date Collected: 12/27/22 09:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-3
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	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 20:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 01:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 10:54	CH	EET MID

Client Sample ID: SW-4
Date Collected: 12/27/22 09:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-4
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			5.02 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 21:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-4
Date Collected: 12/27/22 09:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-4
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			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 01:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 10:58	CH	EET MID

Client Sample ID: SW-5
Date Collected: 12/27/22 09:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-5
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			4.98 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 21:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 02:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:03	CH	EET MID

Client Sample ID: SW-6
Date Collected: 12/27/22 09:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-6
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			4.99 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 02:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:17	CH	EET MID

Client Sample ID: SW-7
Date Collected: 12/27/22 10:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-7
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			5.00 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 22:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 03:12	SM	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-7
Date Collected: 12/27/22 10:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-7
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	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:22	CH	EET MID

Client Sample ID: SW-8
Date Collected: 12/27/22 10:05
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-8
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			5.02 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 03:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:27	CH	EET MID

Client Sample ID: SW-9
Date Collected: 12/27/22 10:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-9
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	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 03:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:31	CH	EET MID

Client Sample ID: SW-10
Date Collected: 12/27/22 10:15
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/03/23 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:36	CH	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-11
Date Collected: 12/27/22 10:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-11
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			4.97 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 05:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:41	CH	EET MID

Client Sample ID: SW-12
Date Collected: 12/27/22 10:25
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-12
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			4.95 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 05:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 11:55	CH	EET MID

Client Sample ID: SW-13
Date Collected: 12/27/22 10:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-13
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			4.96 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 05:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:00	CH	EET MID

Client Sample ID: SW-14
Date Collected: 12/27/22 10:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-14
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			5.03 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-14
Date Collected: 12/27/22 10:35
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 06:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:14	CH	EET MID

Client Sample ID: SW-15
Date Collected: 12/27/22 10:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-15
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			4.97 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 06:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:19	CH	EET MID

Client Sample ID: SW-16
Date Collected: 12/27/22 10:45
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-16
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			5.02 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 06:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:23	CH	EET MID

Client Sample ID: SW-17
Date Collected: 12/27/22 10:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-17
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			5.00 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 07:09	SM	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: SW-17
Date Collected: 12/27/22 10:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-17
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			5.03 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:28	CH	EET MID

Client Sample ID: SW-18
Date Collected: 12/27/22 10:55
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 07:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:33	CH	EET MID

Client Sample ID: BH-1 (4')
Date Collected: 12/27/22 11:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 07:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:37	CH	EET MID

Client Sample ID: BH-2 (4')
Date Collected: 12/27/22 11:05
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43078	01/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43087	01/04/23 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 09:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43001	12/30/22 16:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/31/22 08:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42867	12/29/22 10:51	KS	EET MID
Soluble	Analysis	300.0		1			42949	12/31/22 12:42	CH	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-3 (4')
Date Collected: 12/27/22 11:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 12:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 13:20	CH	EET MID

Client Sample ID: BH-4 (4')
Date Collected: 12/27/22 11:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 13:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 13:34	CH	EET MID

Client Sample ID: BH-5 (4')
Date Collected: 12/27/22 11:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 13:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 13:39	CH	EET MID

Client Sample ID: BH-6 (4')
Date Collected: 12/27/22 11:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-6 (4')
Date Collected: 12/27/22 11:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 14:14	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 13:43	CH	EET MID

Client Sample ID: BH-7 (4')
Date Collected: 12/27/22 11:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-25
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 14:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 13:48	CH	EET MID

Client Sample ID: BH-8 (4')
Date Collected: 12/27/22 12:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-26
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 04:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:02	CH	EET MID

Client Sample ID: BH-9 (4')
Date Collected: 12/27/22 12:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-27
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 15:19	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-9 (4')
Date Collected: 12/27/22 12:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:07	CH	EET MID

Client Sample ID: BH-10 (4')
Date Collected: 12/27/22 12:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 15:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:12	CH	EET MID

Client Sample ID: BH-11 (4')
Date Collected: 12/27/22 12:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-29
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			5.00 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:16	CH	EET MID

Client Sample ID: BH-12 (4')
Date Collected: 12/27/22 12:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-30
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			4.99 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 06:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 16:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:21	CH	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-13 (4')
Date Collected: 12/27/22 13:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-31
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			5.03 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 08:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 17:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:26	CH	EET MID

Client Sample ID: BH-14 (4')
Date Collected: 12/27/22 13:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-32
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			4.97 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 08:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 17:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:40	CH	EET MID

Client Sample ID: BH-15 (4')
Date Collected: 12/27/22 13:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-33
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 17:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:44	CH	EET MID

Client Sample ID: BH-16 (4')
Date Collected: 12/27/22 13:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-34
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 09:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-16 (4')
Date Collected: 12/27/22 13:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-34
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			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 14:58	CH	EET MID

Client Sample ID: BH-17 (4')
Date Collected: 12/27/22 13:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-35
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 09:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 18:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:03	CH	EET MID

Client Sample ID: BH-18 (4')
Date Collected: 12/27/22 14:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-36
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			4.99 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 10:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 19:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:08	CH	EET MID

Client Sample ID: BH-19 (3')
Date Collected: 12/27/22 14:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-37
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			5.00 g	5 mL	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 10:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 19:24	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-19 (3')
Date Collected: 12/27/22 14:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:13	CH	EET MID

Client Sample ID: BH-20 (3')
Date Collected: 12/27/22 14:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-38
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 11:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 19:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:17	CH	EET MID

Client Sample ID: BH-21 (3')
Date Collected: 12/27/22 14:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-39
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 20:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:22	CH	EET MID

Client Sample ID: BH-22 (3')
Date Collected: 12/27/22 14:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-40
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	43079	01/03/23 13:01	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/04/23 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43038	01/03/23 08:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43031	01/03/23 20:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42866	12/29/22 10:49	KS	EET MID
Soluble	Analysis	300.0		1			42954	12/31/22 15:27	CH	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-23 (3')
Date Collected: 12/27/22 14:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-41
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			4.96 g	5 mL	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43037	01/03/23 08:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43029	01/03/23 17:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 03:52	CH	EET MID

Client Sample ID: BH-24 (4')
Date Collected: 12/27/22 15:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-42
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			5.03 g	5 mL	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43037	01/03/23 08:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43029	01/03/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 03:57	CH	EET MID

Client Sample ID: BH-25 (4')
Date Collected: 12/27/22 15:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-43
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43037	01/03/23 08:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43029	01/03/23 18:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:02	CH	EET MID

Client Sample ID: BH-26 (4')
Date Collected: 12/27/22 15:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-44
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 08:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-26 (4')
Date Collected: 12/27/22 15:20
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-44
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			43052	01/04/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43037	01/03/23 08:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43029	01/03/23 19:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:06	CH	EET MID

Client Sample ID: BH-27 (4')
Date Collected: 12/27/22 15:30
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-45
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 09:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/04/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43037	01/03/23 08:31	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43029	01/03/23 19:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:11	CH	EET MID

Client Sample ID: BH-28 (3')
Date Collected: 12/27/22 15:40
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-46
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 09:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 09:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:25	CH	EET MID

Client Sample ID: BH-29 (3')
Date Collected: 12/27/22 15:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-47
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 09:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 09:47	SM	EET MID

Lab Chronicle

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

Job ID: 880-23099-1
SDG: Lea County, NM

Client Sample ID: BH-29 (3')
Date Collected: 12/27/22 15:50
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-47
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			5.02 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:30	CH	EET MID

Client Sample ID: BH-30 (3')
Date Collected: 12/27/22 16:00
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-48
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 10:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 10:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:44	CH	EET MID

Client Sample ID: BH-31 (4')
Date Collected: 12/27/22 16:10
Date Received: 12/28/22 08:45

Lab Sample ID: 880-23099-49
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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 10:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43133	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43052	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 10:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42868	12/29/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			42948	12/31/22 04:49	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 Battery

Job ID: 880-23099-1
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	T104704400-22-25	06-30-23

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 880-23099-1
SDG: Lea County, 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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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 Battery

Job ID: 880-23099-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23099-1	SW-1	Solid	12/27/22 09:30	12/28/22 08:45
880-23099-2	SW-2	Solid	12/27/22 09:35	12/28/22 08:45
880-23099-3	SW-3	Solid	12/27/22 09:40	12/28/22 08:45
880-23099-4	SW-4	Solid	12/27/22 09:45	12/28/22 08:45
880-23099-5	SW-5	Solid	12/27/22 09:50	12/28/22 08:45
880-23099-6	SW-6	Solid	12/27/22 09:55	12/28/22 08:45
880-23099-7	SW-7	Solid	12/27/22 10:00	12/28/22 08:45
880-23099-8	SW-8	Solid	12/27/22 10:05	12/28/22 08:45
880-23099-9	SW-9	Solid	12/27/22 10:10	12/28/22 08:45
880-23099-10	SW-10	Solid	12/27/22 10:15	12/28/22 08:45
880-23099-11	SW-11	Solid	12/27/22 10:20	12/28/22 08:45
880-23099-12	SW-12	Solid	12/27/22 10:25	12/28/22 08:45
880-23099-13	SW-13	Solid	12/27/22 10:30	12/28/22 08:45
880-23099-14	SW-14	Solid	12/27/22 10:35	12/28/22 08:45
880-23099-15	SW-15	Solid	12/27/22 10:40	12/28/22 08:45
880-23099-16	SW-16	Solid	12/27/22 10:45	12/28/22 08:45
880-23099-17	SW-17	Solid	12/27/22 10:50	12/28/22 08:45
880-23099-18	SW-18	Solid	12/27/22 10:55	12/28/22 08:45
880-23099-19	BH-1 (4')	Solid	12/27/22 11:00	12/28/22 08:45
880-23099-20	BH-2 (4')	Solid	12/27/22 11:05	12/28/22 08:45
880-23099-21	BH-3 (4')	Solid	12/27/22 11:10	12/28/22 08:45
880-23099-22	BH-4 (4')	Solid	12/27/22 11:20	12/28/22 08:45
880-23099-23	BH-5 (4')	Solid	12/27/22 11:30	12/28/22 08:45
880-23099-24	BH-6 (4')	Solid	12/27/22 11:40	12/28/22 08:45
880-23099-25	BH-7 (4')	Solid	12/27/22 11:50	12/28/22 08:45
880-23099-26	BH-8 (4')	Solid	12/27/22 12:00	12/28/22 08:45
880-23099-27	BH-9 (4')	Solid	12/27/22 12:10	12/28/22 08:45
880-23099-28	BH-10 (4')	Solid	12/27/22 12:20	12/28/22 08:45
880-23099-29	BH-11 (4')	Solid	12/27/22 12:30	12/28/22 08:45
880-23099-30	BH-12 (4')	Solid	12/27/22 12:40	12/28/22 08:45
880-23099-31	BH-13 (4')	Solid	12/27/22 13:10	12/28/22 08:45
880-23099-32	BH-14 (4')	Solid	12/27/22 13:20	12/28/22 08:45
880-23099-33	BH-15 (4')	Solid	12/27/22 13:30	12/28/22 08:45
880-23099-34	BH-16 (4')	Solid	12/27/22 13:40	12/28/22 08:45
880-23099-35	BH-17 (4')	Solid	12/27/22 13:50	12/28/22 08:45
880-23099-36	BH-18 (4')	Solid	12/27/22 14:00	12/28/22 08:45
880-23099-37	BH-19 (3')	Solid	12/27/22 14:10	12/28/22 08:45
880-23099-38	BH-20 (3')	Solid	12/27/22 14:20	12/28/22 08:45
880-23099-39	BH-21 (3')	Solid	12/27/22 14:30	12/28/22 08:45
880-23099-40	BH-22 (3')	Solid	12/27/22 14:40	12/28/22 08:45
880-23099-41	BH-23 (3')	Solid	12/27/22 14:50	12/28/22 08:45
880-23099-42	BH-24 (4')	Solid	12/27/22 15:00	12/28/22 08:45
880-23099-43	BH-25 (4')	Solid	12/27/22 15:10	12/28/22 08:45
880-23099-44	BH-26 (4')	Solid	12/27/22 15:20	12/28/22 08:45
880-23099-45	BH-27 (4')	Solid	12/27/22 15:30	12/28/22 08:45
880-23099-46	BH-28 (3')	Solid	12/27/22 15:40	12/28/22 08:45
880-23099-47	BH-29 (3')	Solid	12/27/22 15:50	12/28/22 08:45
880-23099-48	BH-30 (3')	Solid	12/27/22 16:00	12/28/22 08:45
880-23099-49	BH-31 (4')	Solid	12/27/22 16:10	12/28/22 08:45

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

880-23099 Chain of Custody

223099

Client Name JR Oil	**Site Manager** Brittany Long
Project Name MLMU Battery	**Contact Info** Brittany.Long@tetratech com
Project Location (county, state) Lea County, NM	**Project #:** 212C-MD-02892
Invoice to Tetra Tech, Inc	
Receiving Laboratory Eurofins Xenco	**Sampler Signature** Gabe Huerta
Comments	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos	Hold
	SW-1	12/27/2022	9 30		X			X	1		X		X												X					
	SW-2	12/27/2022	9 35		X			X	1		X		X												X					
	SW-3	12/27/2022	9 40		X			X	1		X		X												X					
	SW-4	12/27/2022	9 45		X			X	1		X		X												X					
	SW-5	12/27/2022	9 50		X			X	1		X		X												X					
	SW-6	12/27/2022	9 55		X			X	1		X		X												X					
	SW-7	12/27/2022	10 00		X			X	1		X		X												X					
	SW-8	12/27/2022	10 05		X			X	1		X		X												X					
	SW-9	12/27/2022	10 10		X			X	1		X		X												X					
	SW-10	12/27/2022	10 15		X			X	1		X		X												X					

	Date	Time		Date	Time
Relinquished by: Gabriel Huerta	12-28-22	8:45	Received by:		
Relinquished by:			Received by	12/29/22	0845
Relinquished by			Received by		

LAB USE ONLY

Sample Temperature 0.6 | 0.3 -0.3

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Analysis Request of Chain of Custody Record

(Rev. 1) 1/5/2023

23099

Tetra Tech, Inc.

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

Client Name JR Oil	**Site Manager** Brittany Long
Project Name MLMU Battery	**Contact Info** Brittany Long@tetratech com
Project Location (county, state) Lea County, NM	**Project #:** 212C-MD-02892
Invoice to Tetra Tech, Inc	
Receiving Laboratory Eurofins Xenco	**Sampler Signature** Gabe Huerta
Comments	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos			Hold
	SW-11	12/27/2022	10 20		X			X	1		X		X												X						
	SW-12	12/27/2022	10 25		X			X	1		X		X												X						
	SW-13	12/27/2022	10 30		X			X	1		X		X												X						
	SW-14	12/27/2022	10 35		X			X	1		X		X												X						
	SW-15	12/27/2022	10 40		X			X	1		X		X												X						
	SW-16	12/27/2022	10 45		X			X	1		X		X												X						
	SW-17	12/27/2022	10 50		X			X	1		X		X												X						
	SW-18	12/27/2022	10 55		X			X	1		X		X												X						
	BH-1 (4')	12/27/2022	11 00		X			X	1		X		X												X						
	BH-2 (4')	12/27/2022	11 05		X			X	1		X		X												X						

	Date	Time		Date	Time
Relinquished by: Gabriel Huerta	12-28-22	8:45	Received by:	12/28/22	20845
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB USE ONLY
Sample Temperature 6.6/0.3

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

(Rev. 1) 1/5/2023

Tetra Tech, Inc.

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

23099

Client Name	JR Oil	Site Manager	Brittany Long
Project Name	MLMU Battery	Contact Info	Brittany.Long@tetratech.com
Project Location (county, state)	Lea County, NM	Project #:	212C-MD-02892
Invoice to	Tetra Tech, Inc		
Receiving Laboratory	Eurofins Xenco	Sampler Signature	Gabe Huerta
Comments			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos			
	BH-3 (4')	12/27/2022	11 10		X			X	1		X		X												X						
	BH-4 (4')	12/27/2022	11 20		X			X	1		X		X												X						
	BH-5 (4')	12/27/2022	11 30		X			X	1		X		X												X						
	BH-6 (4')	12/27/2022	11:40		X			X	1		X		X												X						
	BH-7 (4')	12/27/2022	11 50		X			X	1		X		X												X						
	BH-8 (4')	12/27/2022	12 00		X			X	1		X		X												X						
	BH-9 (4')	12/27/2022	12 10		X			X	1		X		X												X						
	BH-10 (4')	12/27/2022	12 20		X			X	1		X		X												X						
	BH-11 (4')	12/27/2022	12 30		X			X	1		X		X												X						
	BH-12 (4')	12/27/2022	12 40		X			X	1		X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Gabriel Huerta	12-28-22	8:45		12/28/22	0845
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date.	Time.	Received by	Date	Time

LAB USE ONLY

Sample Temperature

0.6/0.3

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Analysis Request of Chain of Custody Record

(Rev. 1) 1/5/2023

Tetra Tech, Inc.

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

23099

Client Name: JR Oil	Site Manager: Brittany Long
Project Name: MLMU Battery	Contact Info: Brittany Long@tetratech com
Project Location (county, state): Lea County, NM	Project #: 212C-MD-02892
Invoice to: Tetra Tech, Inc	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Gabe Huerta
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR. DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE			# CONTAINERS	FILTERED (Y/N)
	BH-13 (4')	12/27/2022	13 10		X				X			1	
	BH-14 (4')	12/27/2022	13 20		X				X			1	
	BH-15 (4')	12/27/2022	13 30		X				X			1	
	BH-16 (4')	12/27/2022	13 40		X				X			1	
	BH-17 (4')	12/27/2022	13 50		X				X			1	
	BH-18 (4')	12/27/2022	14 00		X				X			1	
	BH-19 (3')	12/27/2022	14 10		X				X			1	
	BH-20 (3')	12/27/2022	14 20		X				X			1	
	BH-21 (3')	12/27/2022	14 30		X				X			1	
	BH-22 (3')	12/27/2022	14 40		X				X			1	

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Gabriel Huerta Date 12-28-22 Time 8:45
Received by: Date 12/28/22 Time 0845

Relinquished by: Date Time
Received by: Date Time

Relinquished by: Date Time
Received by: Date Time

LAB USE ONLY
Sample Temperature 0.4/0.3

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #

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Analysis Request of Chain of Custody Record

(Rev. 1) 1/5/2023

Tetra Tech, Inc.

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

230994

Client Name: JR Oil	Site Manager: Brittany Long
Project Name: MLMU Battery	Contact Info: Brittany Long@tetratech com
Project Location (county, state): Lea County, NM	Project #: 212C-MD-02892
Invoice to: Tetra Tech, Inc	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Gabe Huerta
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR. DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE			# CONTAINERS	FILTERED (Y/N)
	BH-23 (3')	12/27/2022	14 50		X				X			1	
	BH-24 (4')	12/27/2022	15 00		X				X			1	
	BH-25 (4')	12/27/2022	15 10		X				X			1	
	BH-26 (4')	12/27/2022	15 20		X				X			1	
	BH-27 (4')	12/27/2022	15 30		X				X			1	
	BH-28 (3')	12/27/2022	15 40		X				X			1	
	BH-29 (3')	12/27/2022	15 50		X				X			1	
	BH-30 (3')	12/27/2022	16 00		X				X			1	
	BH-31 (4')	12/27/2022	16 10		X				X			1	

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

Relinquished by: Gabriel Huerta Date 12-28-22 Time 8:45
Received by: [signature] Date 12/28/22 Time 0845

Relinquished by: Date Time
Received by: Date Time

Relinquished by: Date Time
Received by: Date Time

LAB USE ONLY
Sample Temperature 0.6/0.3

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-23099-1
SDG Number: Lea County, NM

Login Number: 23099
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/19/2023 1:58:32 PM

JOB DESCRIPTION

JR Oil - MLMU Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-3841-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

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
1/19/2023 1:58:32 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 - MLMU Battery

Laboratory Job ID: 890-3841-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3841-1
Project/Site: JR Oil - MLMU Battery SDG: Lea County NM

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
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/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Job ID: 890-3841-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3841-1

Receipt
The samples were received on 1/13/2023 12:55 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 7.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-20 (4') (890-3841-1), BH-21 (4') (890-3841-2), BH-22 (4') (890-3841-3), BH-23 (4') (890-3841-4), BH-28 (4') (890-3841-5), BH-29 (4') (890-3841-6) and BH-30 (4') (890-3841-7).

GC VOA
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: (LCS 880-43987/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-44154/2-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-20 (4')

Lab Sample ID: 890-3841-1
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 07:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/23 13:58	01/18/23 07:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 07:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/23 13:58	01/18/23 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/16/23 13:58*	*01/18/23 07:19*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/16/23 13:58*	*01/18/23 07:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/19/23 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**205**		50.0		mg/Kg			01/18/23 14:10	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	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 19:09	1
Diesel Range Organics (Over C10-C28)	**205**		50.0		mg/Kg		01/16/23 14:04	01/17/23 19:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:09*	*1*
o-Terphenyl	*97*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		4.98		mg/Kg			01/18/23 16:10	1

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3841-2
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 07:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/23 13:58	01/18/23 07:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/16/23 13:58	01/18/23 07:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/16/23 13:58	01/18/23 07:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/23 13:58	01/18/23 07:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/23 13:58	01/18/23 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/16/23 13:58*	*01/18/23 07:40*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3841-2
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/16/23 13:58*	*01/18/23 07:40*	*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			01/19/23 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/18/23 14:10	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	<49.9	U	49.9		mg/Kg		01/16/23 14:04	01/17/23 19:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/23 14:04	01/17/23 19:31	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/23 14:04	01/17/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:31*	*1*
o-Terphenyl	*116*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.2**		4.95		mg/Kg			01/18/23 16:15	1

Client Sample ID: BH-22 (4')

Lab Sample ID: 890-3841-3
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 08:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 08:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 08:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/23 13:58	01/18/23 08:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 08:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/23 13:58	01/18/23 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:00*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/19/23 14:42	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			01/18/23 14:10	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-22 (4')

Lab Sample ID: 890-3841-3
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 14:04	01/17/23 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:54*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/16/23 14:04*	*01/17/23 19:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		5.00		mg/Kg			01/18/23 16:21	1

Client Sample ID: BH-23 (4')

Lab Sample ID: 890-3841-4
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 08:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 08:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:21*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/19/23 14:42	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			01/19/23 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	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 05:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 05:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*01/17/23 13:25*	*01/19/23 05:36*	*1*
o-Terphenyl	*107*		*70 - 130*	*01/17/23 13:25*	*01/19/23 05:36*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-23 (4')

Lab Sample ID: 890-3841-4
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.2**		4.99		mg/Kg			01/18/23 16:27	1

Client Sample ID: BH-28 (4')

Lab Sample ID: 890-3841-5
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 08:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 08:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 08:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/16/23 13:58*	*01/18/23 08:41*	*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			01/19/23 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**141**		50.0		mg/Kg			01/19/23 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	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 05:58	1
Diesel Range Organics (Over C10-C28)	**141**		50.0		mg/Kg		01/17/23 13:25	01/19/23 05:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*01/17/23 13:25*	*01/19/23 05:58*	*1*
o-Terphenyl	*110*		*70 - 130*	*01/17/23 13:25*	*01/19/23 05:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		5.01		mg/Kg			01/18/23 16:32	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-29 (4')

Lab Sample ID: 890-3841-6
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 09:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 09:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 09:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 09:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/23 13:58	01/18/23 09:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/23 13:58	01/18/23 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/16/23 13:58*	*01/18/23 09:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/16/23 13:58*	*01/18/23 09:02*	*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			01/19/23 14:42	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			01/19/23 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	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 06:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 06:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/19/23 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*01/17/23 13:25*	*01/19/23 06:19*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/17/23 13:25*	*01/19/23 06:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.7**		4.97		mg/Kg			01/18/23 16:38	1

Client Sample ID: BH-30 (4')

Lab Sample ID: 890-3841-7
Matrix: Solid
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

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		01/16/23 13:58	01/18/23 09:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 09:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 09:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/23 13:58	01/18/23 09:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 09:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/23 13:58	01/18/23 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*01/16/23 13:58*	*01/18/23 09:22*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-30 (4')

Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55
Sample Depth: 4

Lab Sample ID: 890-3841-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/16/23 13:58*	*01/18/23 09:22*	*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			01/19/23 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**578**		49.9		mg/Kg			01/18/23 14:10	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	<49.9	U	49.9		mg/Kg		01/16/23 14:04	01/17/23 18:47	1
Diesel Range Organics (Over C10-C28)	**578**		49.9		mg/Kg		01/16/23 14:04	01/17/23 18:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/23 14:04	01/17/23 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/16/23 14:04*	*01/17/23 18:47*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/16/23 14:04*	*01/17/23 18:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.7**		4.98		mg/Kg			01/18/23 16:44	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
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 (70-130)	DFBZ1 (70-130)										
890-3840-A-1-A MS	Matrix Spike	112	98										
890-3840-A-1-B MSD	Matrix Spike Duplicate	119	102										
890-3841-1	BH-20 (4')	120	101										
890-3841-2	BH-21 (4')	121	101										
890-3841-3	BH-22 (4')	121	101										
890-3841-4	BH-23 (4')	122	100										
890-3841-5	BH-28 (4')	124	99										
890-3841-6	BH-29 (4')	123	101										
890-3841-7	BH-30 (4')	127	101										
LCS 880-43985/1-A	Lab Control Sample	118	102										
LCSD 880-43985/2-A	Lab Control Sample Dup	114	99										
MB 880-43985/5-A	Method Blank	116	99										
MB 880-43988/5-A	Method Blank	114	98										

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)										
890-3841-1	BH-20 (4')	108	97										
890-3841-2	BH-21 (4')	126	116										
890-3841-3	BH-22 (4')	100	96										
890-3841-4	BH-23 (4')	117	107										
890-3841-5	BH-28 (4')	121	110										
890-3841-6	BH-29 (4')	110	101										
890-3841-7	BH-30 (4')	102	92										
890-3843-A-1-D MS	Matrix Spike	90	78										
890-3843-A-1-D MSD	Matrix Spike Duplicate	103	77										
890-3860-A-1-C MS	Matrix Spike	88	79										
890-3860-A-1-D MSD	Matrix Spike Duplicate	95	86										
LCS 880-43987/2-A	Lab Control Sample	171 S1+	161 S1+										
LCS 880-44154/2-A	Lab Control Sample	172 S1+	159 S1+										
LCSD 880-43987/3-A	Lab Control Sample Dup	119	98										
LCSD 880-44154/3-A	Lab Control Sample Dup	113	100										
MB 880-43987/1-A	Method Blank	103	103										
MB 880-44154/1-A	Method Blank	120	120										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43985/5-A
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/23 13:58	01/18/23 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/23 13:58	01/18/23 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/23 13:58	01/18/23 01:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/16/23 13:58*	*01/18/23 01:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/16/23 13:58*	*01/18/23 01:15*	*1*

Lab Sample ID: LCS 880-43985/1-A
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1135		mg/Kg		114	70 - 130
Toluene	0.100	0.1107		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1073		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-43985/2-A
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43985

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	12	35
Toluene	0.100	0.09925		mg/Kg		99	70 - 130	11	35
Ethylbenzene	0.100	0.09608		mg/Kg		96	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1978		mg/Kg		99	70 - 130	12	35
o-Xylene	0.100	0.09571		mg/Kg		96	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-3840-A-1-A MS
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00366		0.0996	0.09115		mg/Kg		88	70 - 130
Toluene	0.00374		0.0996	0.08051		mg/Kg		77	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

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

Lab Sample ID: 890-3840-A-1-A MS
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00643		0.0996	0.07801		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.00766		0.199	0.1601		mg/Kg		77	70 - 130
o-Xylene	0.00469		0.0996	0.08117		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-3840-A-1-B MSD
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00366		0.0990	0.1007		mg/Kg		98	70 - 130	10	35
Toluene	0.00374		0.0990	0.08333		mg/Kg		80	70 - 130	3	35
Ethylbenzene	0.00643		0.0990	0.08322		mg/Kg		78	70 - 130	6	35
m-Xylene & p-Xylene	0.00766		0.198	0.1703		mg/Kg		82	70 - 130	6	35
o-Xylene	0.00469		0.0990	0.08859		mg/Kg		85	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-43988/5-A
Matrix: Solid
Analysis Batch: 44130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/23 14:20	01/17/23 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/23 14:20	01/17/23 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/23 14:20	01/17/23 12:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/23 14:20	01/17/23 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/23 14:20	01/17/23 12:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/23 14:20	01/17/23 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/16/23 14:20*	*01/17/23 12:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/16/23 14:20*	*01/17/23 12:24*	*1*

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

Lab Sample ID: MB 880-43987/1-A
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43987

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		01/16/23 14:04	01/17/23 11:49	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43987/1-A
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 11:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/23 14:04	01/17/23 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/16/23 14:04*	*01/17/23 11:49*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/16/23 14:04*	*01/17/23 11:49*	*1*

Lab Sample ID: LCS 880-43987/2-A
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43987

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	876.4		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.3		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*171*	*S1+*	*70 - 130*
o-Terphenyl	*161*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-43987/3-A
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43987

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	990.8		mg/Kg		99	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	842.9		mg/Kg		84	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-3843-A-1-D MS
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43987

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

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

Lab Sample ID: 890-3843-A-1-D MSD
Matrix: Solid
Analysis Batch: 44121

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43987

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: MB 880-44154/1-A
Matrix: Solid
Analysis Batch: 44218

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44154

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		01/17/23 13:25	01/18/23 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/18/23 21:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/23 13:25	01/18/23 21:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	01/17/23 13:25	01/18/23 21:17	1
o-Terphenyl	120		70 - 130	01/17/23 13:25	01/18/23 21:17	1

Lab Sample ID: LCS 880-44154/2-A
Matrix: Solid
Analysis Batch: 44218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44154

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	870.9		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	900.2		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	172	S1+	70 - 130
o-Terphenyl	159	S1+	70 - 130

Lab Sample ID: LCSD 880-44154/3-A
Matrix: Solid
Analysis Batch: 44218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44154

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	930.2		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	842.5		mg/Kg		84	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

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

Lab Sample ID: 890-3860-A-1-C MS
Matrix: Solid
Analysis Batch: 44218

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 44154

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	998	1075		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	922.8		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: 890-3860-A-1-D MSD
Matrix: Solid
Analysis Batch: 44218

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 44154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	980.2		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	976.4		mg/Kg		95	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44200/1-A
Matrix: Solid
Analysis Batch: 44257

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			01/18/23 13:54	1

Lab Sample ID: LCS 880-44200/2-A
Matrix: Solid
Analysis Batch: 44257

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCS 880-44200/3-A
Matrix: Solid
Analysis Batch: 44257

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.7		mg/Kg		99	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3840-A-10-D MS
Matrix: Solid
Analysis Batch: 44257

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	101		250	355.6		mg/Kg		102	90 - 110		

Lab Sample ID: 890-3840-A-10-E MSD
Matrix: Solid
Analysis Batch: 44257

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	101		250	350.2		mg/Kg		100	90 - 110	2	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

GC VOA

Prep Batch: 43985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	5035	
890-3841-2	BH-21 (4')	Total/NA	Solid	5035	
890-3841-3	BH-22 (4')	Total/NA	Solid	5035	
890-3841-4	BH-23 (4')	Total/NA	Solid	5035	
890-3841-5	BH-28 (4')	Total/NA	Solid	5035	
890-3841-6	BH-29 (4')	Total/NA	Solid	5035	
890-3841-7	BH-30 (4')	Total/NA	Solid	5035	
MB 880-43985/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43985/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43985/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3840-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-3840-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 43988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43988/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 44130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	8021B	43985
890-3841-2	BH-21 (4')	Total/NA	Solid	8021B	43985
890-3841-3	BH-22 (4')	Total/NA	Solid	8021B	43985
890-3841-4	BH-23 (4')	Total/NA	Solid	8021B	43985
890-3841-5	BH-28 (4')	Total/NA	Solid	8021B	43985
890-3841-6	BH-29 (4')	Total/NA	Solid	8021B	43985
890-3841-7	BH-30 (4')	Total/NA	Solid	8021B	43985
MB 880-43985/5-A	Method Blank	Total/NA	Solid	8021B	43985
MB 880-43988/5-A	Method Blank	Total/NA	Solid	8021B	43988
LCS 880-43985/1-A	Lab Control Sample	Total/NA	Solid	8021B	43985
LCSD 880-43985/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43985
890-3840-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	43985
890-3840-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43985

Analysis Batch: 44364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	Total BTEX	
890-3841-2	BH-21 (4')	Total/NA	Solid	Total BTEX	
890-3841-3	BH-22 (4')	Total/NA	Solid	Total BTEX	
890-3841-4	BH-23 (4')	Total/NA	Solid	Total BTEX	
890-3841-5	BH-28 (4')	Total/NA	Solid	Total BTEX	
890-3841-6	BH-29 (4')	Total/NA	Solid	Total BTEX	
890-3841-7	BH-30 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	8015NM Prep	
890-3841-2	BH-21 (4')	Total/NA	Solid	8015NM Prep	
890-3841-3	BH-22 (4')	Total/NA	Solid	8015NM Prep	
890-3841-7	BH-30 (4')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 43987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43987/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43987/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3843-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3843-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	8015B NM	43987
890-3841-2	BH-21 (4')	Total/NA	Solid	8015B NM	43987
890-3841-3	BH-22 (4')	Total/NA	Solid	8015B NM	43987
890-3841-7	BH-30 (4')	Total/NA	Solid	8015B NM	43987
MB 880-43987/1-A	Method Blank	Total/NA	Solid	8015B NM	43987
LCS 880-43987/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43987
LCSD 880-43987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43987
890-3843-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43987
890-3843-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43987

Prep Batch: 44154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-4	BH-23 (4')	Total/NA	Solid	8015NM Prep	
890-3841-5	BH-28 (4')	Total/NA	Solid	8015NM Prep	
890-3841-6	BH-29 (4')	Total/NA	Solid	8015NM Prep	
MB 880-44154/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44154/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3860-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3860-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-4	BH-23 (4')	Total/NA	Solid	8015B NM	44154
890-3841-5	BH-28 (4')	Total/NA	Solid	8015B NM	44154
890-3841-6	BH-29 (4')	Total/NA	Solid	8015B NM	44154
MB 880-44154/1-A	Method Blank	Total/NA	Solid	8015B NM	44154
LCS 880-44154/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44154
LCSD 880-44154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44154
890-3860-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	44154
890-3860-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	44154

Analysis Batch: 44260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Total/NA	Solid	8015 NM	
890-3841-2	BH-21 (4')	Total/NA	Solid	8015 NM	
890-3841-3	BH-22 (4')	Total/NA	Solid	8015 NM	
890-3841-4	BH-23 (4')	Total/NA	Solid	8015 NM	
890-3841-5	BH-28 (4')	Total/NA	Solid	8015 NM	
890-3841-6	BH-29 (4')	Total/NA	Solid	8015 NM	
890-3841-7	BH-30 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 44200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Soluble	Solid	DI Leach	
890-3841-2	BH-21 (4')	Soluble	Solid	DI Leach	
890-3841-3	BH-22 (4')	Soluble	Solid	DI Leach	
890-3841-4	BH-23 (4')	Soluble	Solid	DI Leach	
890-3841-5	BH-28 (4')	Soluble	Solid	DI Leach	
890-3841-6	BH-29 (4')	Soluble	Solid	DI Leach	
890-3841-7	BH-30 (4')	Soluble	Solid	DI Leach	
MB 880-44200/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44200/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-44200/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
890-3840-A-10-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3840-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 44257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3841-1	BH-20 (4')	Soluble	Solid	300.0	44200
890-3841-2	BH-21 (4')	Soluble	Solid	300.0	44200
890-3841-3	BH-22 (4')	Soluble	Solid	300.0	44200
890-3841-4	BH-23 (4')	Soluble	Solid	300.0	44200
890-3841-5	BH-28 (4')	Soluble	Solid	300.0	44200
890-3841-6	BH-29 (4')	Soluble	Solid	300.0	44200
890-3841-7	BH-30 (4')	Soluble	Solid	300.0	44200
MB 880-44200/1-A	Method Blank	Soluble	Solid	300.0	44200
LCS 880-44200/2-A	Lab Control Sample	Soluble	Solid	300.0	44200
LCS 880-44200/3-A	Lab Control Sample	Soluble	Solid	300.0	44200
890-3840-A-10-D MS	Matrix Spike	Soluble	Solid	300.0	44200
890-3840-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	44200

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-20 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-1
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			5.01 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 07:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:10	CH	EET MID

Client Sample ID: BH-21 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-2
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			4.97 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 07:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 19:31	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:15	CH	EET MID

Client Sample ID: BH-22 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-3
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			4.99 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 08:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 19:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:21	CH	EET MID

Client Sample ID: BH-23 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-4
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			5.02 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 08:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-23 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-4
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			44260	01/19/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44154	01/17/23 13:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44218	01/19/23 05:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:27	CH	EET MID

Client Sample ID: BH-28 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-5
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			5.03 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 08:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/19/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44154	01/17/23 13:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44218	01/19/23 05:58	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:32	CH	EET MID

Client Sample ID: BH-29 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-6
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	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 09:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/19/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44154	01/17/23 13:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44218	01/19/23 06:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:38	CH	EET MID

Client Sample ID: BH-30 (4')
Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-7
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			5.01 g	5 mL	43985	01/16/23 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44130	01/18/23 09:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44364	01/19/23 14:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44260	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 18:47	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Client Sample ID: BH-30 (4')

Date Collected: 01/13/23 00:00
Date Received: 01/13/23 12:55

Lab Sample ID: 890-3841-7

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			5.02 g	50 mL	44200	01/17/23 16:52	KS	EET MID
Soluble	Analysis	300.0		1			44257	01/18/23 16:44	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: JR Oil - MLMU Battery

Job ID: 890-3841-1
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	T104704400-22-25	06-30-23

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: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County 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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: JR Oil - MLMU Battery

Job ID: 890-3841-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3841-1	BH-20 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-2	BH-21 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-3	BH-22 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-4	BH-23 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-5	BH-28 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-6	BH-29 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4
890-3841-7	BH-30 (4')	Solid	01/13/23 00:00	01/13/23 12:55	4

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

890-3841 Chain of Custody

Client Name:	JR Oil	**Site Manager:**	Britanny Long
Project Name:	MLMU Battery		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02892
Invoice to:	Accounts Payable 9041 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins Lab	**Sampler Signature:**	Miguel A. Flores
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list	Anion/Cation Balance				Hold
	BH-20 (4')	1/13/2023			x				x					x		x												x							
	BH-21 (4')	1/13/2023			x				x					x		x												x							
	BH-22 (4')	1/13/2023			x				x					x		x												x							
	BH-23 (4')	1/13/2023			x				x					x		x												x							
	BH-28 (4')	1/13/2023			x				x					x		x												x							
	BH-29 (4')	1/13/2023			X				X					X		X												X							
	BH-30 (4')	1/13/2023			X				X					X		X												X							

Relinquished by:	Miguel A Flores	Date: Time:	Received by: Date: 1.13.23 Time: 1255
Relinquished by:		Date: Time:	Received by: Date: Time:
Relinquished by:		Date: Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature
7.8
7.6
TNM007
-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

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3841-1
SDG Number: Lea County NM

Login Number: 3841
List Number: 1
Creator: Clifton, Cloe

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: 890-3841-1
SDG Number: Lea County NM

Login Number: 3841
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/16/23 02:06 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").	N/A	

TETRA TECH

Appendix D

State Correspondence

Long, Brittany

From: Long, Brittany
Sent: Wednesday, December 21, 2022 12:48 AM
To: OCD.Enviro@emnrd.nm.gov
Subject: JR Oil Myers Langlie Mattix Unit Battery (nAPP2131262448) Sampling Notification

To whom it may concern,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples, for the JR Oil Myers Langlie Mattix Unit Battery (nAPP2131262448) remediation starting on Friday, December 23, 2022, at 7:00 AM. These samples will be placed within the remediaton and will continue each day as the remediation progresses. Please let me know if you have any questions or need any additional information.

Best Regards,

Brittany D. Long,

Brittany D. Long | **Biologist & Project Manager**
Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946
Brittany.Long@tetratech.com

Tetra Tech | *Leading with Science®*
901 West Wall Street, Suite 100 Midland, Texas 79701

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

CONDITIONS

Action 191965

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 191965
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/14/2023