SITE INFORMATION

Report Type: Closure Report nAPP2200461719

General Site Information:						
Site:	**Myers Langlie Mattix Unit #271**					
Company:	**JR Oil LTD**					
Section, Township and Range	**Unit D**	**Sec. 05**	**T 24S**	**R 37E**		
Lease Number:						
County:	**Lea County**					
GPS:	**32.2508614**			**-103.1927193**		
Surface Owner:	Private: Lea County Partners					
Mineral Owner:						
Directions:	From 18 and Oxy Lane, travel North on 18 for 0.30 miles. Turn left (west) onto lease road and follow for 0.31 miles. Turn left (south) onto lease road and follow for 0.17 miles. Location on east side of road.					

Release Data:	
Date Released:	12/26/2021
Type Release:	Oil & Produced Water
Source of Contamination:	Trunk Line Ruptured
Fluid Released:	5 bbl oil & 250 bbl water
Fluids Recovered:	3 bbl oil & 237 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:	*106' 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

June 14, 2023

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

RE: Closure Report
JR Oil, LTD. CO.
MLMU #271
Lea County, New Mexico
nAPP2200461719

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by JR Oil, LTD. CO. (JR Oil) to assess a release that occurred at the Myers Langlie Mattix Unit #271 (MLMU #271), Unit D, Section 5, Township 24 South, Range 37 East, Lea County, New Mexico (Site). The spill site coordinates are 32.2508614°, -103.1927193°. 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 #271 was caused by a ruptured 8" fiberglass trunk line, causing the release of 250 bbls of produced water and 5 bbls of crude oil, the release was started within a ROW and migrated into the pasture, impacting an area of 305' in length and 15' – 50' in width. Additionally, approximately 237 bbls of produced water and 3 bbls of crude oil were recovered. On December 26, 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, USGS Mapper, and Karst Map are shown in **Appendix B**.

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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 1 ½ mile radius of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 182 ft bgs and measured water level of 114 ft bgs and is approximately 0.01 miles of the Site. The second well reported on the NMOSE Water Rights Reporting System reports a total depth of 118 ft bgs and measured water level of 106 ft bgs and is approximately 0.26 miles of the Site. The well reported on the USGS National Water Information System reports a total depth of 182 ft bgs with water level measured at 106.64 ft bgs and is approximately 0.41 miles of the Site. The second well reported on the NMOSE Water Rights Reporting System reports a measured water level of 92.05 ft bgs and is approximately 1.43 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
0.01 Miles	7/18/1952	NMOSE	182’	114’
0.26 Miles	10/13/2014	NMOSE	118’	106’
0.41 Miles	2/29/1968	USGS	182’	106.64’
1.43 Miles	2/22/1996	USGS	-	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 1,000 mg/kg (DRO + GRO) and 2,500 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the proposed RRAL beyond the top 4.0’ of soil, for chlorides is 20,000 mg/kg.

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Site Assessment Activities

A previous consultant conducted site assessment activities on January 6 through January 10, 2022. A total of ten (10) sample points (SP-1 through SP-10) were installed to total depths ranging from 5.0 ft bgs to 9.0 ft bgs, to attempt to assess and vertically delineate the impacted the area. Additionally, a total of four (4) cardinal directed horizontals (North, East, West, South) were installed at surface depths, to horizontally delineate the impact. The impact and sample locations are shown in the previous consultants data which is included in **Appendix C.**

The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 4500. The analytical lab report and summarized analytical results are shown in the Laboratory Analytical Results Summary and is included in **Appendix C**.

Referring to the summary, sample points (SP-1 through SP-10) indicated TPH concentrations above RRALs, with concentrations ranging from 110 mg/kg to 66,800 mg/kg, at depths ranging from surface to 5.0 ft bgs. Sample points (SP-1 through SP-7, and SP-9) indicated BTEX concentrations above RRALs, with concentrations ranging from 53.3 mg/kg to 457 mg/kg, at depths ranging from surface to 5.0 ft bgs. Sample points (SP-1, SP-3, and SP-9) indicated chloride concentrations above RRALs, with concentrations ranging from 624 mg/kg to 784 mg/kg, at depths ranging from 1.0 ft bgs to 3.0 ft bgs. Additionally, vertical delineation was found in all sample points for all constituents, depths ranging from 1.0 ft bgs to 5.0 ft bgs. Horizontals (North, East, West, South) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Remediation Activities

JR Oil conducted remediation activities from February 3, 2022 through May 18, 2023. The areas of impact were remediated to a depths ranging from 4.0 ft bgs to 11.5 ft bgs. The remediation areas and depths are shown on **Figure 3A & 3B.**

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 the sidewalls and the floor of the excavation were collected. The confirmation sample notification was sent to the NMOCD via email, on January 11, 2023, at 11:25 AM, a copy of the notice is shown in **Appendix E.** A total of eighty-four (84) bottom holes (BH-1 through BH-84) were collected and a total of seventy-one (71) sidewalls (SW-1 through SW-71) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix D**.

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

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Conclusions

Based on the C-141 (nAPP2200461719) 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, 1,000 mg/kg for TPH (DRO + GRO), and 2,500 mg/kg for TPH (DRO + GRO + ORO) were followed for soil beyond the top 4.0 ft of soil. Based on previous consultant assessment activites, laboratory results indicated TPH, BTEX, and chloride concentrations in sample points (SP-1 through SP-10) 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 4,862 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 the remediated pad at 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



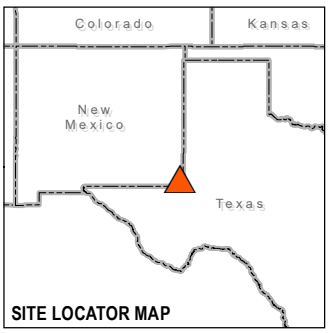
Clair Gonzales, P.G.
Senior Project Manager

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Figures



APPROXIMATE SITE LOCATION



0 11,000 22,000 Feet

Approximate Scale

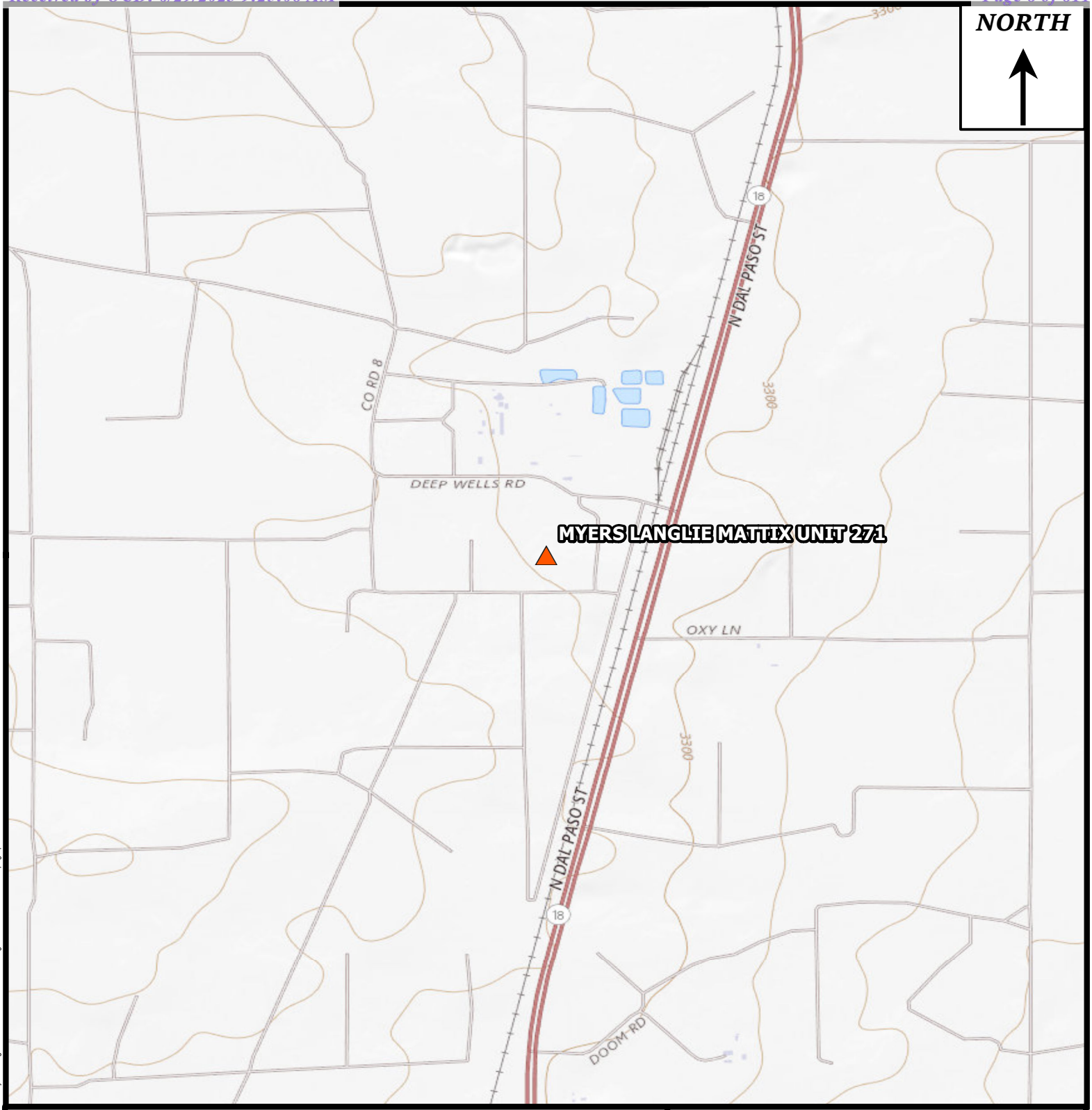
Service Layer Credits: USGS, The National Map, 2020.

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FIGURE 1
OVERVIEW MAP
MYERS LANGLIE MATTIX UNIT 271
LEA COUNTY, NEW MEXICO
32.250861°, -103.192719°

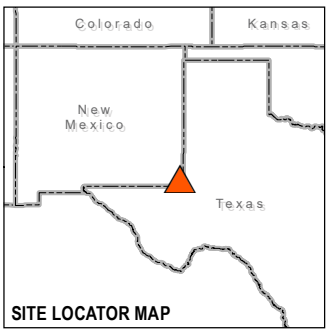
Project: 212C-MD-02890	
Date: 11/01/2022	
Name: Figure 1 - MLM U 271	

Document Path: C:\Users\EMORENOFLORES\Documents\Projects\JR OIL Ltd\02890 - Myers Langlie Mattix Unit 271\GIS\MXD\Figure 1 - MLM U 271 - Overview.mxd



APPROXIMATE SITE LOCATION

0 1,000 2,000
Feet
Approximate Scale



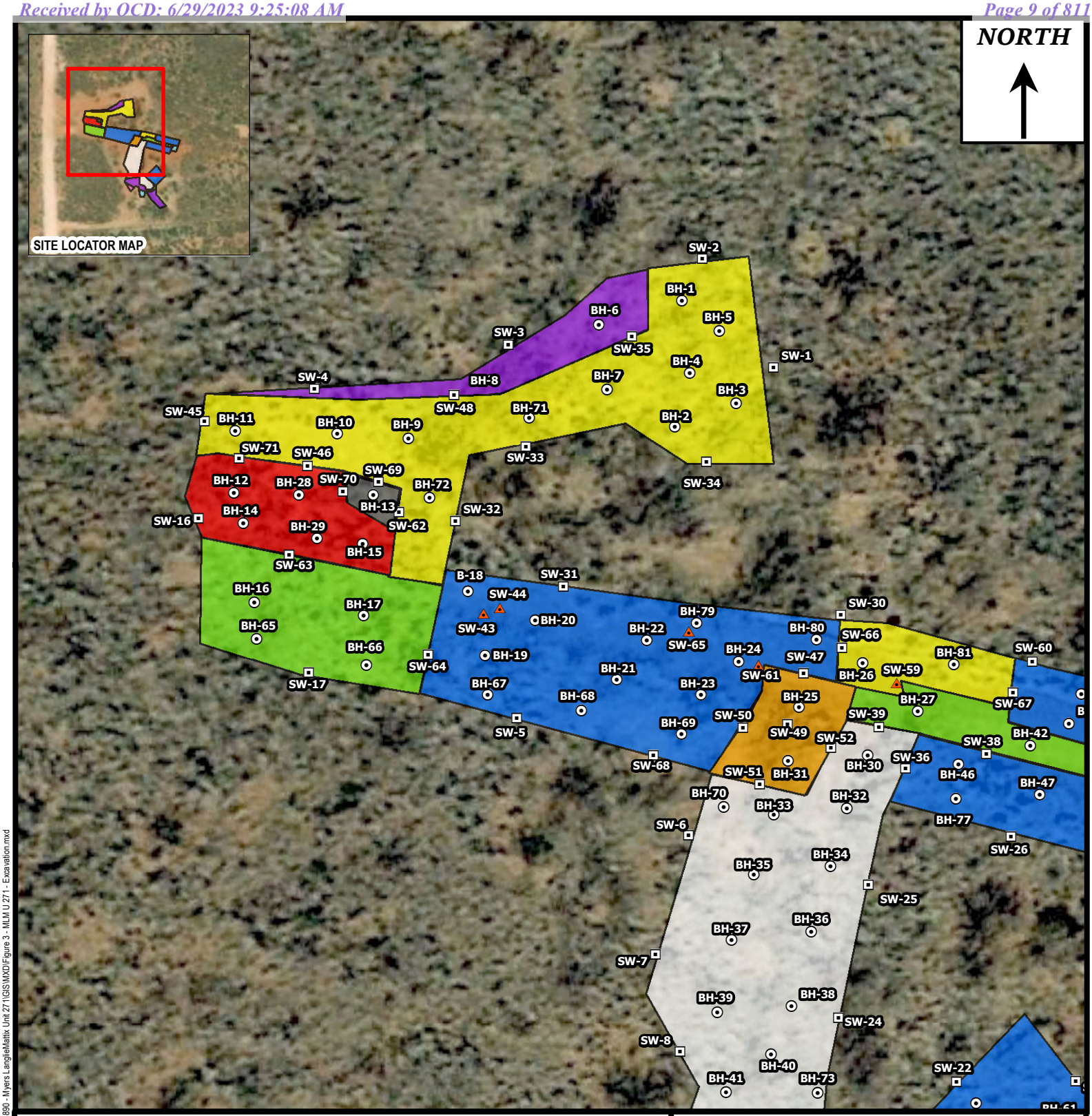
Service Layer Credits: USGS, The National Map, 2020.

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FIGURE 2
TOPOGRAPHIC MAP
MYERS LANGLIE MATTIX UNIT 271
LEA COUNTY, NEW MEXICO
32.250861°, -103.192719°

Project: 212C-MD-02890	
Date: 11/01/2022	
Name: Figure 2 - MLM U 271	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\JR OIL Ltd\02890 - Myers Langlie Mattix Unit 271\GIS\MXD\Figure 2 - MLM U 271 - Topographic.mxd



- BOTTOMHOLE SAMPLE LOCATION
- REMOVED SIDEWALL SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- 2.5' DEPTH EXCAVATION
- 3.5' DEPTH EXCAVATION
- 4.0' DEPTH EXCAVATION
- 4.5' DEPTH EXCAVATION
- 5.0' DEPTH EXCAVATION
- 6.0' DEPTH EXCAVATION
- 6.5' DEPTH EXCAVATION
- 7.0' DEPTH EXCAVATION
- 7.5' DEPTH EXCAVATION
- 10.25' DEPTH EXCAVATION
- 11.5' DEPTH EXCAVATION

0 20 40
Approximate Scale in Feet

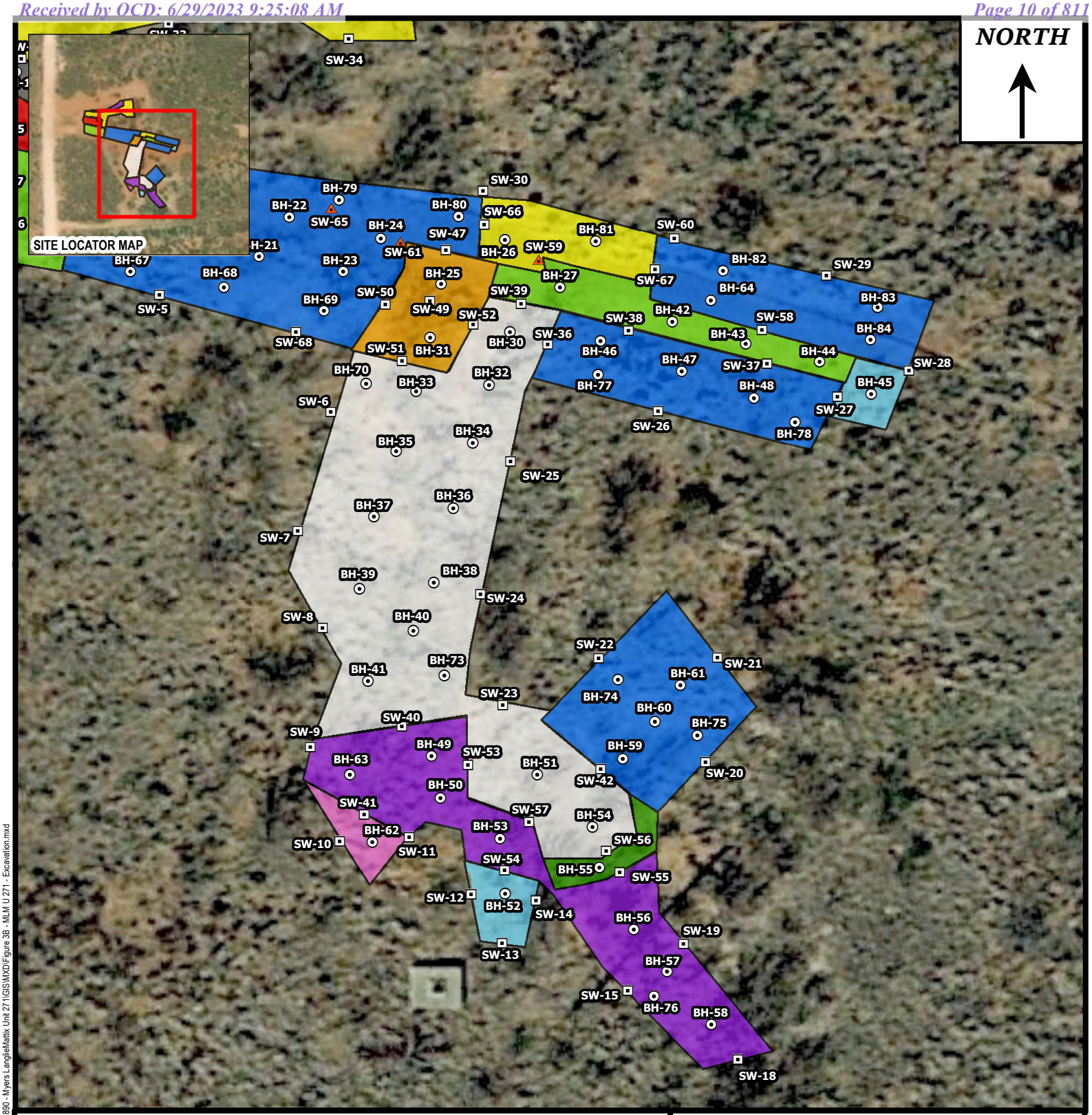
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FIGURE 3A
EXCAVATION DEPTH & AREA MAP
MYERS LANGLIE MATTIX UNIT 271
LEA COUNTY, NEW MEXICO
32.250861°, -103.192719°

Project: 212C-MD-02890	
Date: 6/15/2023	
Name: Figure 3 - MLM U 271	

Document Path: C:\Users\FMORENOFLORES\Documents\Projects\JR OIL Ltd\02890 - Myers Langlie Mattix Unit 271\GIS\MXD\Figure 3 - MLM U 271 - Excavation.mxd



- BOTTOMHOLE SAMPLE LOCATION
- REMOVED SIDEWALL SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- 2.5' DEPTH EXCAVATION
- 3.5' DEPTH EXCAVATION
- 4.0' DEPTH EXCAVATION
- 4.5' DEPTH EXCAVATION
- 5.0' DEPTH EXCAVATION
- 6.0' DEPTH EXCAVATION
- 6.5' DEPTH EXCAVATION
- 7.0' DEPTH EXCAVATION
- 7.5' DEPTH EXCAVATION
- 10.25' DEPTH EXCAVATION
- 11.5' DEPTH EXCAVATION

0 20 40

Approximate Scale in Feet

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

Document Path: C:\Users\EMORENOFLORES\Documents\Projects\JR OIL Ltd\02890 - Myers Langlie Mattix Unit 271\GIS\MXD\Figure 3B - MLM U 271 - Excavation.mxd

J R OIL, LTD. CO.

FIGURE 3B
EXCAVATION DEPTH & AREA MAP
MYERS LANGLIE MATTIX UNIT 271
LEA COUNTY, NEW MEXICO
32.250861°, -103.192719°

Project: 212C-MD-02890	
Date: 6/15/2023	
Name: Figure 3 - MLM U 271	

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Tables

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Received by OCD: 6/29/2023 9:25:08 AM

Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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	11/7/2022	6.0	X	-	<50.0	218	<50.0	218	<0.0403	<0.0403	<0.0403	<0.0806	<0.0806	61.2
BH-2	11/7/2022	6.0	X	-	<49.8	70.4	<49.8	70.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	37.3
BH-3	11/7/2022	6.0	X	-	<49.9	62.7	<49.9	62.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	27.1
BH-4	11/7/2022	6.0	X	-	<50.0	81.1	<50.0	81.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.8
BH-5	11/7/2022	6.0	X	-	<50.0	183	<50.0	183	<0.0396	<0.0396	<0.0396	<0.0792	<0.0792	47.6
BH-6	11/7/2022	3.5	-	X	<50.0	**3,590**	<50.0	**3,590**	<0.0403	<0.0403	<0.0403	<0.0806	<0.0806	72.8
	1/3/2023	4.0	X	-	<49.9	214	<49.9	214	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	216
BH-7	11/7/2022	3.5	-	X	<50.0	**302**	<50.0	**302**	<0.0399	<0.0399	<0.0399	<0.0798	<0.0798	62.3
	1/3/2023	6.0	X	-	85.7	507	<49.8	593	<0.0200	0.0676	0.268	0.976	1.31	455
BH-8	11/7/2022	3.5	-	X	**72.3**	**1,750**	<50.0	**1,820**	<0.0397	<0.0397	0.220	0.697	0.917	146
	1/3/2023	4.0	X	-	<49.9	494	<49.9	494	<0.00199	<0.00199	<0.00199	0.00414	0.00414	530
BH-9	11/7/2022	3.5	-	X	<49.9	**1,810**	<49.9	**1,810**	<0.00201	<0.00201	0.00567	0.0377	0.0434	139
	1/3/2023	6.0	X	-	<49.8	958	<49.8	958	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	481
BH-10	11/7/2022	3.5	-	X	<49.9	**1,300**	<49.9	**1,300**	<0.00202	<0.00202	0.0100	<0.00404	0.0128	94.8
	1/3/2023	6.0	X	-	<49.9	731	<49.9	731	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	272
BH-11	11/7/2022	3.5	-	X	<49.9	**1,750**	<49.9	**1,750**	<0.0398	<0.0398	<0.0398	0.228	0.228	93.6
	1/3/2023	4.0	X	-	<49.9	304	<49.9	304	<0.00202	<0.00202	<0.00202	0.0149	0.0149	123
BH-12	11/7/2022	3.5	-	X	56.7	**3,260**	<49.9	**3,320**	<0.0398	<0.0398	<0.0398	<0.0795	<0.0795	83.1
	1/3/2023	4.0	-	X	<49.9	**1,290**	<49.9	**1,290**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.3
	3/10/2023	10.0	-	X	**290**	**3,650**	**548**	**4,490**	-	-	-	-	-	-
	3/15/2023	10.5	X	-	<50.0	107	<50.0	107	<0.0201	<0.0201	<0.0201	<0.0402	<0.0402	693

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Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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-13	11/7/2022	3.5	-	X	94.3	**5,000**	<50.0	**5,090**	<0.0399	<0.0399	0.0450	<0.0798	0.101	302
	1/3/2023	4.0	-	X	308	**4,010**	<50.0	**4,320**	0.243	0.0753	0.0399	1.71	2.07	284
	3/15/2023	10.25	-	X	96.3	**1360**	160	1620	0.0573	0.212	2.22	4.66	7.15	955
	4/19/2023	10.75	-	X	-	-	-	-	0.114	0.119	0.986	2.79	4.01	1,170
	5/16/2023	11	-	X	18.0	**2,010**	455	2,483	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
	5/18/2023	11.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-14	11/7/2022	3.5	-	X	57.5	**3,100**	<50.0	**3,158**	<0.0402	0.118	0.314	<0.0805	0.432	99.6
	1/3/2023	4.0	X	-	<49.9	110	<49.9	110	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.8
BH-15	11/7/2022	3.5	-	X	110	**5,110**	<49.9	**5,220**	<0.0398	<0.0398	<0.0398	<0.0797	<0.0797	301
	1/3/2023	4.0	-	X	132	**3,560**	<49.9	**3,690**	0.00236	0.136	0.125	0.246	0.509	641
	3/10/2023	7.0	-	X	143	**2,990**	374	**3,510**	-	-	-	-	-	-
	3/15/2023	10.25	X	-	<49.9	267	<49.9	267	<0.0202	<0.0202	<0.0202	<0.0404	<0.0404	744
BH-16	11/7/2022	3.5	X	-	<49.9	89.5	<49.9	89.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.0
BH-17	11/7/2022	3.5	-	X	<49.9	**128**	<49.9	**128**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.4
	1/3/2023	4.0	X	-	<50.0	853	<50.0	853	<0.00201	0.00206	<0.00201	<0.00402	<0.00402	530
BH-18	11/7/2022	3.5	-	X	<50.0	**417**	<50.0	**417**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	190
	1/3/2023	4.0	X	-	<50.0	76.6	<50.0	76.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	116
BH-19	11/7/2022	3.5	-	X	<49.9	**1,470**	<49.9	**1,470**	<0.0398	<0.0398	0.0824	<0.0797	0.0824	397
	1/3/2023	4.0	-	X	110	**2,040**	<49.9	**2,150**	<0.00199	<0.00199	0.00340	0.0111	0.0145	566
	3/15/2023	5.0-6.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,550
BH-20	11/7/2022	3.5	-	X	<49.8	**1,250**	<49.8	**1,250**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	435
	1/3/2023	4.0	-	X	<50.0	**1,730**	<50.0	**1,730**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	515
	3/15/2023	5.0-6.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,830
BH-21	11/7/2022	3.5	-	X	<50.0	**215**	<50.0	**215**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	86.9
	1/3/2023	4.0	X	-	<49.9	69.3	<49.9	69.3	<0.00199	<0.00199	<0.00199	0.0126	0.0126	113
BH-22	11/7/2022	3.5	-	X	<49.8	**413**	**60.9**	**474**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,250**
	1/3/2023	4.0	X	-	<49.9	52.0	<49.9	52.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	86.2
BH-23	11/7/2022	3.5	-	X	<49.9	**2,270**	**321**	**2,590**	<0.00199	<0.00199	<0.00199	0.00475	0.00475	433
	1/3/2023	4.0	-	X	<50.0	**1,230**	<50.0	**1,230**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	503
	3/15/2023	5.0-6.0	X	-	<49.9	117	<49.9	117	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	192
BH-24	11/7/2022	3.5	-	X	<50.0	**147**	<50.0	**147**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	241
	1/3/2023	4.0	X	-	<49.9	233	<49.9	233	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	727

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Received by OCD: 6/29/2023 9:25:08 AM

Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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-25	11/7/2022	3.5	-	X	<49.9	**283**	<49.9	**283**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.7
	1/3/2023	4.0	-	X	465	**3,740**	<50.0	**4,210**	<0.00199	0.00826	0.00261	0.113	0.124	971
	3/15/2023	7.0	X	-	<50.0	69.0	<50.0	69.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,760
BH-26	11/7/2022	3.5	-	X	<49.9	**966**	**184**	**1,150**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.9
	1/3/2023	4.0	-	X	<49.9	**1,410**	<49.9	**1,410**	<0.00200	<0.00200	0.00221	<0.00399	0.00574	1,950
	3/15/2023	6.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,610
BH-27	11/7/2022	3.5	-	X	<50.0	**571**	**108**	**679**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
	1/3/2023	4.0	X	-	<49.9	125	<49.9	125	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	116
BH-28	11/7/2022	3.5	-	X	<49.9	**1,440**	**202**	**1,640**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	270
	1/3/2023	6.0	X	-	<49.9	83.9	<49.9	83.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	97.4
BH-29	11/7/2022	3.5	-	X	<49.9	**723**	**86.1**	**809**	<0.0201	<0.0201	<0.0201	<0.0402	<0.0402	278
	1/3/2023	4.0	X	-	<49.8	78.0	<49.8	78.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.4
BH-30	11/7/2022	6.0	X	-	<49.9	144	<49.9	144	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	100
BH-31	11/7/2022	6.0	-	X	<49.9	**1,520**	217	1,740	<0.00199	<0.00199	0.00232	0.00668	0.00900	234
	1/3/2023	7.5	X	-	<49.9	72.3	<49.9	72.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.5
BH-32	11/7/2022	6.0	X	-	<49.9	493	82.6	576	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	82.7
BH-33	11/7/2022	6.0	X	-	<50.0	426	60.3	486	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.7
BH-34	11/7/2022	6.0	X	-	<50.0	377	60.1	437	<0.00202	<0.00202	0.00260	<0.00404	<0.00404	94.8
BH-35	11/7/2022	6.0	X	-	<49.9	898	160	1,060	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	117
BH-36	11/7/2022	6.0	X	-	<49.9	378	66.3	444	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	156
BH-37	11/7/2022	6.0	X	-	<49.9	77.6	<49.9	77.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.4
BH-38	11/7/2022	6.0	X	-	<50.0	87.7	<50.0	87.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	143
BH-39	11/7/2022	6.0	X	-	<49.9	107	<49.9	107	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	117
BH-40	11/7/2022	6.0	X	-	<49.8	909	114	1,020	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	239
BH-41	11/7/2022	6.0	X	-	<50.0	227	164	391	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	191
BH-42	11/7/2022	2.5	-	X	<49.8	**752**	**967**	**1,720**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	155
	1/3/2023	4.5	X	-	<49.8	67.3	<49.8	67.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	82.2
BH-43	11/7/2022	2.5	-	X	<49.9	**1,480**	**1,790**	**3,270**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	106
	1/3/2023	4.5	X	-	<49.8	67.9	<49.8	67.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	103

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Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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-44	11/7/2022	2.5	-	X	<50.0	**182**	**243**	**425**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3.93
	1/3/2023	4.5	X	-	<49.8	902	142	1,040	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	239
BH-45	11/7/2022	2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.9
BH-46	11/7/2022	7.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.9
BH-47	11/7/2022	7.0	X	-	<50.0	273	341	614	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.9
BH-48	11/7/2022	7.0	X	-	<49.9	445	713	1,160	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.3
BH-49	11/7/2022	2.0	-	X	<49.9	**283**	**262**	**545**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.9
	1/3/2023	6.0	X	-	<49.8	**1,760**	**215**	**1,980**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	581
	5/22/2023	6.5	X	-	<10.0	311	30.5	342	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-50	11/7/2022	2.0	-	X	<49.9	**1,260**	**937**	**2,200**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	140
	1/3/2023	4.0	X	-	<50.0	701	92.6	794	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	539
BH-51	11/7/2022	2.0	-	X	<50.0	**1,080**	**877**	**1,960**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
	1/3/2023	6.0	X	-	<49.8	**1,500**	187	**1,690**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.4
	5/22/2023	6.5	X	-	<10.0	102	12.6	115	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-52	11/7/2022	2.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.8
BH-53	11/7/2022	2.0	-	X	<49.9	**1,040**	**1,020**	**2,060**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	90.0
	1/3/2023	4.0	X	-	<50.0	114	<50.0	114	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	873
BH-54	11/7/2022	2.0	-	X	<49.9	**1,410**	**1,300**	**2,710**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	112
	1/3/2023	6.0	X	-	<50.0	368	<50.0	368	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	849
BH-55	11/7/2022	2.0	-	X	<49.9	**1,150**	**1,080**	**2,230**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	161
	1/3/2023	5.0	X	-	<50.0	98.0	<50.0	98.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	112
BH-56	11/7/2022	2.0	-	X	<49.9	**1330**	**1,260**	**2,590**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	129
	1/3/2023	3.0	X	-	<49.9	**399**	71.8	**471**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	129
	5/22/2023	4.0	X	-	<10.0	162	21.7	184	<0.050	<0.050	<0.050	<0.150	<0.300	144
BH-57	11/7/2022	2.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104
BH-58	11/7/2022	2.0	-	X	<50.0	**733**	**748**	**1,480**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	79.9
	1/3/2023	3.0	X	-	<49.9	**1,470**	216	**1,690**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	742
	5/22/2023	4.0	X	-	<10.0	17.8	<10.0	17.8	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-59	11/7/2022	6.0	X	-	<49.9	144	165	309	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.8

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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-60	11/7/2022	6.0	X	-	<49.8	111	116	227	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.5
BH-61	11/7/2022	6.0	X	-	<50.0	776	<50.0	776	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	76.6
BH-62	11/7/2022	3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
BH-63	11/7/2022	3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.9
BH-64	1/3/2023	6.0	-	X	<49.9	**1,750**	<49.9	1,750	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	172
	3/15/2023	7.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	691
BH-65	1/3/2023	4.0	X	-	<49.8	638	<49.8	638	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	202
BH-66	1/3/2023	4.0	X	-	<49.9	896	<49.9	896	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	439
BH-67	1/3/2023	4.0	-	X	317	**3,380**	<49.8	**3,700**	<0.00200	<0.00200	0.0331	0.168	0.201	623
	3/15/2023	5.0-6.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	0.00255	0.0106	0.0132	1,590
BH-68	1/3/2023	4.0	-	X	<49.9	**1,050**	<49.9	1,050	<0.00199	<0.00199	<0.00199	0.0120	0.0120	578
	3/15/2023	5.0-6.0	X	-	<49.9	87.6	<49.9	87.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,430
BH-69	1/3/2023	4.0	X	-	<49.9	845	<49.9	845	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	347
BH-70	1/3/2023	6.0	X	-	<49.9	221	<49.9	221	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	325
BH-71	1/3/2023	6.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	437
BH-72	1/3/2023	6.0	X	-	<49.9	572	<49.9	572	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	493
BH-73	1/3/2023	6.0	-	X	<50.0	**1,330**	<50.0	1,330	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	702
	3/15/2023	7.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	518
BH-74	1/3/2023	7.0	X	-	<49.9	758	<49.9	758	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	466
BH-75	1/3/2023	7.0	X	-	<50.0	238	<50.0	238	<0.00202	<0.00202	0.00233	0.00822	0.0106	448
BH-76	1/3/2023	3.0	-	X	104	**2,820**	<49.9	**2,920**	<0.00200	<0.00200	0.00485	0.0314	0.0363	**718**
	3/15/2023	3.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	0.00920	0.0393	0.0485	134
BH-77	1/3/2023	7.0	X	-	<49.9	347	<49.9	347	<0.00201	<0.00201	<0.00201	0.0830	0.0830	146
BH-78	1/3/2023	7.0	X	-	<50.0	812	<50.0	812	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	168
BH-79	1/3/2023	6.0	-	X	<50.0	**1,280**	<50.0	1,280	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	777
	3/15/2023	7.0	-	X	<49.9	**1,260**	110	1,370	-	-	-	-	-	-
	4/19/2023	7.5	X	-	<10.0	78.8	27.2	106	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,180
BH-80	1/3/2023	6.0	X	-	<49.9	115	<49.9	115	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,750

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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-81	1/3/2023	6.0	X	-	<50.0	900	<50.0	900	<0.00200	<0.00200	<0.00200	0.0134	0.0134	556
BH-82	1/3/2023	6.0	X	-	<49.9	445	<49.9	445	<0.00199	<0.00199	<0.00199	0.0263	0.0263	124
BH-83	1/3/2023	6.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	97.2
BH-84	1/3/2023	6.0	-	X	<49.9	**1,070**	191	1,260	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	556
	3/15/2023	7.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	536
SW-1	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00292	0.0122	0.0152	47.3
SW-2	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00297	0.0107	0.0137	24.3
SW-3	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	137
SW-4	11/7/2022	-	X	-	<50.0	86.0	<50.0	86.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	164
SW-5	11/7/2022	-	-	X	53.2	**2,990**	<49.9	**3,040**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	115
	1/3/2023	-	-	X	<50.0	**335**	<50.0	**335**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	355
	3/15/2023	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	174
SW-6	11/7/2022	-	-	X	<49.9	**1790**	<49.9	**1,790**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	276
	1/3/2023	-	-	X	<49.9	**149**	<49.9	**149**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	138
	3/15/2023	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	136
SW-7	11/7/2022	-	-	X	<49.9	**3,640**	<49.9	**3,640**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	457
	1/3/2023	-	X	-	<50.0	58.3	<50.0	58.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	185
SW-8	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.4
SW-9	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.6
SW-10	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.6
SW-11	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.8
SW-12	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.7
SW-13	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	17.1
SW-14	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	15.2
SW-15	11/7/2022	-	-	X	<50.0	**2,330**	<50.0	**2,330**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	43.6
	1/3/2023	-	-	X	<49.9	**1,520**	**228**	**1,750**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.1
	3/15/2023	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	221
SW-16	11/7/2022	-	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00248	<0.00199	<0.00398	<0.00398	12.8

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Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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-17	11/7/2022	-	-	X	<49.8	**2,310**	<49.8	**2,310**	<0.00199	<0.00199	<0.00199	0.0103	0.0103	99.0
	1/3/2023	-	-	X	<49.9	**160**	<49.9	**160**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	345
	3/15/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	485
SW-18	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.8
SW-19	11/7/2022	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.7
SW-20	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.8
SW-21	11/7/2022	-	-	X	<50.0	**663**	**635**	**1,300**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.9
	1/3/2023	-	-	X	<49.9	**140**	<49.9	**140**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	755
	3/15/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	356
SW-22	11/7/2022	-	-	X	<49.9	**465**	**439**	**904**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.6
	1/3/2023	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	506
SW-23	11/7/2022	-	-	X	<49.9	**236**	**274**	**510**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.8
	1/3/2023	-	-	X	<49.9	**242**	<49.9	**242**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	555
	3/15/2023	-	-	X	<49.8	**169**	<49.8	**169**	-	-	-	-	-	-
	4/19/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	513
SW-24	11/7/2022	-	-	X	<50.0	**275**	**267**	**542**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	104
	1/3/2023	-	-	X	<49.8	**114**	<49.8	**114**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	329
	3/15/2023	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	324
SW-25	11/7/2022	-	X	-	<49.9	62.8	<49.9	62.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	431
SW-26	11/7/2022	-	-	X	<49.9	**166**	**190**	**356**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	300
	1/3/2023	-	-	X	<49.9	**145**	<49.9	**145**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	82.5
	3/15/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.4
SW-27	11/7/2022	-	-	X	<49.9	**688**	**851**	**1,540**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	185
	1/3/2023	-	-	X	<49.9	**259**	<49.9	**259**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	205
	3/15/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	189
SW-28	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.0
SW-29	11/7/2022	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.3
SW-30	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.2

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JR Oil LTD
Myers Langlie Mattix Unit 271
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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-31	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.5
SW-32	11/7/2022	-	-	X	<49.9	**971**	**1,070**	**2,040**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	55.9
	1/3/2023	-	-	X	<49.9	**335**	<49.9	**335**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	395
	3/15/2023	-	-	X	<50.0	<50.0	<50.0	<50.0	<0.0402	0.128	0.856	2.96	3.94	**999**
	5/16/2023	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-33	11/7/2022	-	-	X	<49.9	**1,180**	**1,430**	**2,610**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	50.4
	1/3/2023	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.1
SW-34	11/7/2022	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.4
SW-35 (Internal)	11/7/2022	4.0-6.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.8
SW-36 (Internal)	11/7/2022	3.0-6.0	X	-	<49.9	76.5	<49.9	76.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	174
SW-37 (Internal)	11/7/2022	2.5-7.0	-	X	<49.8	**193**	**210**	**403**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	73.1
	1/3/2023	4.5-7.0	X	-	<49.9	63.3	<49.9	63.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
SW-38 (Internal)	11/7/2022	2.5-7.0	-	X	<49.9	**335**	**71.1**	**406**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	102
	1/3/2023	4.5-7.0	X	-	<50.0	76.2	<50.0	76.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	114
SW-39 (Internal)	11/7/2022	3.0-6.0	-	X	<50.0	**1,890**	**322**	**2,210**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	275
	1/3/2023	4.5-6.0	-	X	<50.0	**1,780**	**275**	**2,060**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	369
	3/15/2023	4.5-6.0	X	-	<49.9	122	<49.9	122	0.142	0.0735	0.0567	0.247	0.519	495
SW-40 (Internal)	11/7/2022	2.0-6.0	-	X	<49.9	**610**	**123**	**733**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.9
	1/3/2023	4.0-6.0	X	-	<50.0	648	92.0	740	<0.00199	<0.00199	<0.00199	0.0142	0.0142	465
SW-41 (Internal)	11/7/2022	2.0-3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.5
SW-42 (Internal)	11/7/2022	2.0-7.0	-	X	<50.0	**276**	**308**	**584**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	77.5
	1/3/2023	6.0-7.0	-	X	<49.9	**5,320**	**728**	**6,050**	<0.00199	<0.00199	<0.00199	0.0139	0.0139	**1,690**
	3/15/2023	6.0-7.0	X	-	<50.0	237	<50.0	237	<0.0398	<0.0398	0.117	0.714	0.831	572
SW-43 (Internal)	1/3/2023	2.0-4.0	-	X	60.0	**3,470**	**490**	**4,020**	<0.0200	0.0406	0.0851	0.691	0.817	518
	3/15/2023	4.5-6.0	-	X	<49.9	**4,740**	516	**5,260**	-	-	-	-	-	-
SW-44 (Internal)	1/3/2023	2.0-4.0	-	X	<49.9	**2,650**	**393**	**3,040**	<0.00200	<0.00200	0.00283	0.0111	0.0139	**1,510**
	3/15/2023	4.5-6.0	-	X	<49.9	**2,880**	302	**3,180**	-	-	-	-	-	-
SW-45 (Internal)	1/3/2023	2.5-6.0	-	X	<49.8	**126**	<49.8	**126**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	74.0
	3/15/2023	0-6.0	X	-	<49.9	76.4	<49.9	76.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	165

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			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-46 (Internal)	1/3/2023	4.0-6.0	-	X	<49.9	**1,260**	**164**	**1,420**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	433
	3/10/2023	6.0-10.0			<50.0	**1,310**	250	1,560	-	-	-	-	-	-
	3/15/2023	6.0-10.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.0263	0.0263	1100
SW-47 (Internal)	1/3/2023	2.0-4.0	-	X	<49.9	**1,330**	**174**	**1,500**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	474
	3/15/2023	4.5-6.0	-	X	<50.0	**3,030**	339	**3,370**	-	-	-	-	-	-
SW-48 (Internal)	1/3/2023	4.0-6.0	X	-	<49.9	225	<49.9	225	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	409
SW-49 (Internal)	1/3/2023	4.0-7.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	841
SW-50 (Internal)	1/3/2023	4.0-7.5	X	-	<49.9	975	140	1,120	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	512
SW-51 (Internal)	1/3/2023	6.0-7.5	-	X	101	**3,020**	**415**	**3,540**	<0.00200	0.0171	0.0290	0.111	0.157	495
	3/15/2023	6.0-7.5	X	-	<50.0	139	<50.0	139	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,130
SW-52 (Internal)	1/3/2023	6.0-7.5	X	-	<50.0	499	81.3	580	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	323
SW-53 (Internal)	1/3/2023	4.0-6.0	-	X	72.7	**2,040**	**247**	**2,360**	<0.00200	<0.00200	<0.00200	0.0144	0.0144	**747**
	3/15/2023	4.0-6.0	X	-	<49.9	311	<49.9	311	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	192
SW-54 (Internal)	1/3/2023	2.5-4.0	-	X	<49.9	**150**	<49.9	**150**	<0.00202	<0.00202	0.00225	<0.00403	<0.00403	**834**
	3/15/2023	2.5-4.0	-	X	<49.9	**131**	<49.9	**131**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	559
	4/19/2023	2.5-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	559
SW-55 (Internal)	1/3/2023	3.0-5.0	X	-	<49.9	65.1	<49.9	65.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	292
SW-56 (Internal)	1/3/2023	5.0-6.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	505
SW-57 (Internal)	1/3/2023	4.0-6.0	X	-	<50.0	136	<50.0	136	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	779
SW-58 (Internal)	1/3/2023	4.5-6.0	X	-	<49.9	158	<49.9	158	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	176
SW-59 (Internal)	1/3/2023	4.0-6.0	-	X	61.0	**3,550**	**568**	**4,180**	<0.00199	0.00246	0.00995	0.0322	0.0446	453
	3/15/2023	4.5-6.0	-	X	<50.0	**3,170**	**381**	**3,550**	-	-	-	-	-	-
SW-60	1/3/2023	-	-	X	<49.9	98.4	53.8	**152**	<0.00199	<0.00199	0.00213	<0.00398	<0.00398	43.5
	3/15/2023	-	X	-	<49.9	59.2	<49.9	59.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
SW-61 (Internal)	1/3/2023	2.0-4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00204	0.00698	0.00902	207
SW-62 (Internal)	3/16/2023	6.0-10.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.0503	<0.0503	<0.0503	<0.101	<0.101	1,010
SW-63 (Internal)	3/16/2023	4.0-10.5	X	-	127	736	<49.9	863	<0.101	0.413	2.38	8.76	11.6	2,750
SW-64 (Internal)	3/16/2023	4.5-6.0	-	X	86.9	**2,830**	**274**	**3,190**	-	-	-	-	-	-
	5/16/2023	4.5-6.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.00202	0.00249	0.0119	0.0373	0.0517	1,410

Released to Imaging: 9/21/2023 3:26:25 PM

Received by OCD: 6/29/2023 9:25:08 AM

Table 1
JR Oil LTD
Myers Langlie Mattix Unit 271
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-65 (Internal)	3/16/2023	6.0-7.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	565
SW-66 (Internal)	3/16/2023	6.0-7.0	X	-	<49.9	297	<49.9	297	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	237
SW-67 (Internal)	3/16/2023	6.0-7.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,310
SW-68	3/16/2023	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	239
SW-69 (Internal)	3/16/2023	6.0-10.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	788
SW-70 (Internal)	3/16/2023	6.0-10.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,440
SW-71 (Internal)	3/16/2023	6.0-10.5	X	-	<50.0	418	<50.0	418	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	984

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. CO.
Myers Langlie Mattix Unit #271
Lea County, New Mexico



View of Remediation Activities – View Northeast



View of Remediation Activities – View East

JR Oil, LTD. CO.
Myers Langlie Mattix Unit #271
Lea County, New Mexico



View of Remediation Activities – View Northwest



View of Remediation Activities – View Southwest

JR Oil, LTD. CO.
Myers Langlie Mattix Unit #271
Lea County, New Mexico



View of Remediation Activities – View South



View of Remediation Activities – View Northeast

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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	nAPP2200461719
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.2508614 Longitude -103.1927193
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MYERS LANGLIE MATTIX UNIT #271	Site Type	
Date Release Discovered	12/26/21	API# *(if applicable)*	30-025-32565

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

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* MYERS)

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) 5BBLS	Volume Recovered (bbls) 3BBLS
☒ Produced Water	Volume Released (bbls) 250BBLS	Volume Recovered (bbls) 237BBLS
	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
8" FIBERGLASS TRUNK LINE RUPTURED

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2200461719
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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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: PRODUCTION FOREMAN
Signature:
Date: 1/11/22
email: JLATIMER@COLTENERGYNM.COM
Telephone: 575-414-9188

OCD Only

Received by: Ramona Marcus
Date: 1/12/2022

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.

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:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 6/29/2023

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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 6/29/2023

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: Nelson Velez Date: 09/21/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

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

NAPP2200461719

Location of spill: MLMU #271 **Date of Spill:** 12/26/2021

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	27 ft	X	220 ft	X	1 in	5%
Rectangle Area #2	35 ft	X	63 ft	X	1 in	5%
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	5940 sq. ft.	235 cu. ft.	12 cu. ft.
Area #2	2205 sq. ft.	87 cu. ft.	5 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:	**8,145 sq. ft.**	**322 cu. ft.**	**17 cu. ft.**

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	9.2 BBL	0.5 BBL
Liquid Recovered :	237.0 BBL	3.0 BBL
Spill Liquid	**246.2 BBL**	**3.5 BBL**
Total Spill Liquid:	**249.7**	

Recovered Volumes

Estimated oil recovered: 3.0 **BBL**

Estimated water recovered: 237.0 **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	

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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	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 01431 POD6	1	2	1	05	24S	37E	670587	3569906

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	10/08/2014	**Drill Finish Date:**	10/13/2014	**Plug Date:**	
Log File Date:	11/07/2014	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	118 feet	**Depth Water:**	106 feet

Water Bearing Stratifications:	Top	Bottom	Description
	64	118	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	98	118

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

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
	CP 00041 POD1	3	1	1	05	24S	37E	670279	3569685*

Driller License: **Driller Company:**

Driller Name: THE LAYNE TEXAS CO., LTD.

Drill Start Date:	07/18/1952	**Drill Finish Date:**	07/18/1952	**Plug Date:**	
Log File Date:	11/17/1953	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	10.75	**Depth Well:**	182 feet	**Depth Water:**	114 feet

Water Bearing Stratifications:	Top	Bottom	Description
	125	150	Sandstone/Gravel/Conglomerate
	150	162	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	142	167

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

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

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Data Category: Groundwater | Geographic Area: New Mexico | GO

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- **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 =
- 321442103113601

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

USGS 321442103113601 24S.37E.05.113341

Lea County, New Mexico
Latitude 32°14'42", Longitude 103°11'36" NAD27
Land-surface elevation 3,317 feet above NAVD88
The depth of the well is 182 feet below land surface.
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 of measurement	? Water-level approval status
1968-02-29		D	62610		3209.04	NGVD29	1	Z			A
1968-02-29		D	62611		3210.36	NAVD88	1	Z			A
1968-02-29		D	72019	106.64			1	Z			A

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	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?
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U.S. Department of the Interior | U.S. Geological Survey
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: 2022-11-18 01:15:34 EST
0.27 0.24 nadww01

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- 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 of measurement	? Water-level approval status
1968-02-28		D	62610		3176.52	NGVD29	1	Z			A
1968-02-28		D	62611		3177.82	NAVD88	1	Z			A
1968-02-28		D	72019	94.18			1	Z			A
1970-12-03		D	62610		3176.89	NGVD29	1	Z			A
1970-12-03		D	62611		3178.19	NAVD88	1	Z			A
1970-12-03		D	72019	93.81			1	Z			A
1976-01-16		D	62610		3177.35	NGVD29	1	Z			A
1976-01-16		D	62611		3178.65	NAVD88	1	Z			A
1976-01-16		D	72019	93.35			1	Z			A
1981-03-17		D	62610		3177.92	NGVD29	1	Z			A
1981-03-17		D	62611		3179.22	NAVD88	1	Z			A
1981-03-17		D	72019	92.78			1	Z			A
1986-03-05		D	62610		3178.19	NGVD29	1	Z			A
1986-03-05		D	62611		3179.49	NAVD88	1	Z			A
1986-03-05		D	72019	92.51			1	Z			A
1991-05-21		D	62610		3178.52	NGVD29	1	Z			A
1991-05-21		D	62611		3179.82	NAVD88	1	Z			A
1991-05-21		D	72019	92.18			1	Z			A
1996-02-22		D	62610		3178.65	NGVD29	1	S			A
1996-02-22		D	62611		3179.95	NAVD88	1	S			A
1996-02-22		D	72019	92.05			1	S			A

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

Section	Code	Description
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?
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U.S. Department of the Interior | U.S. Geological Survey
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: 2022-11-18 01:13:40 EST
0.27 0.24 nadww01

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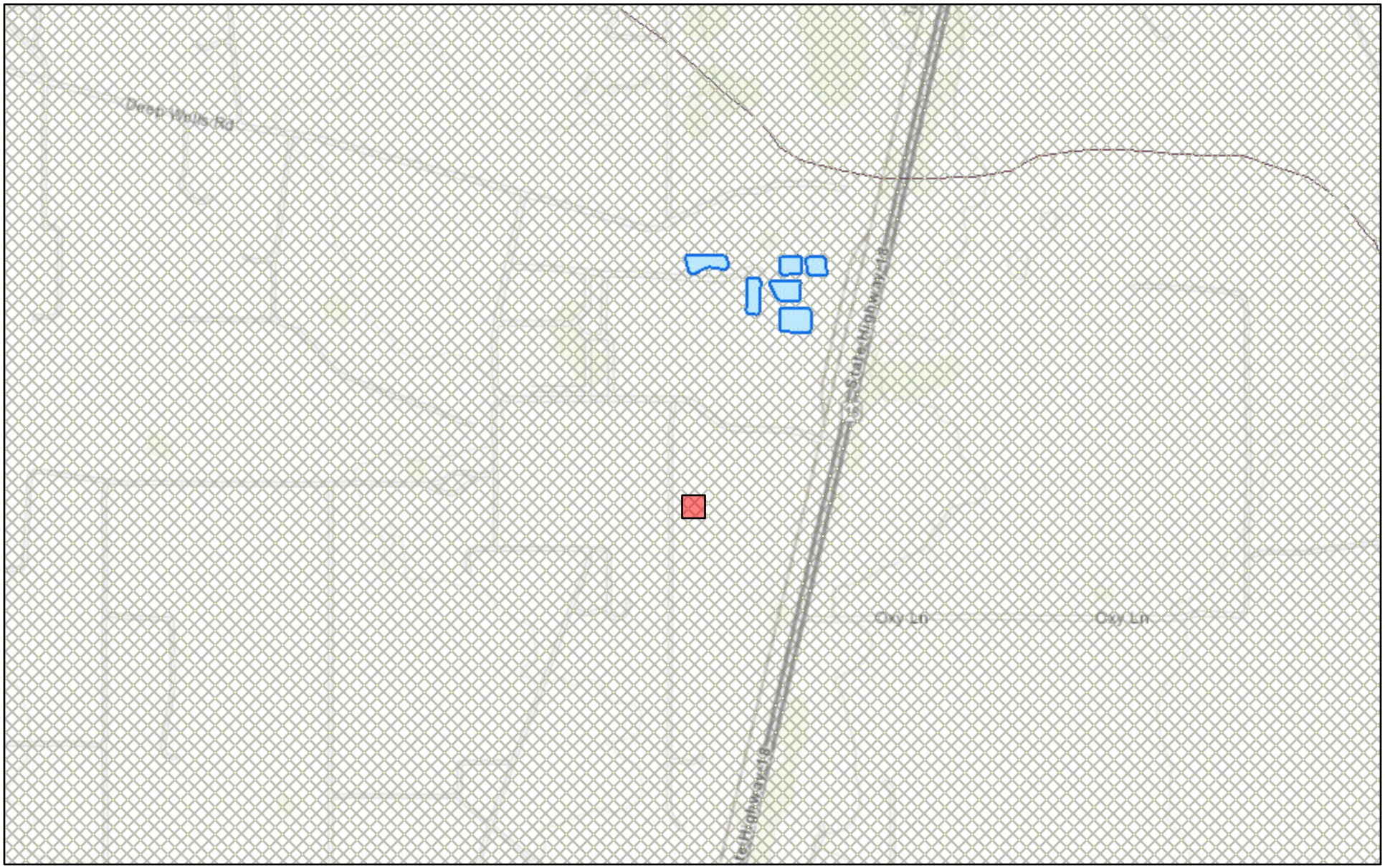
USGS Contac Search

National Water Information System: Mapper



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New Mexico NFHL Data



November 17, 2022

1:18,056

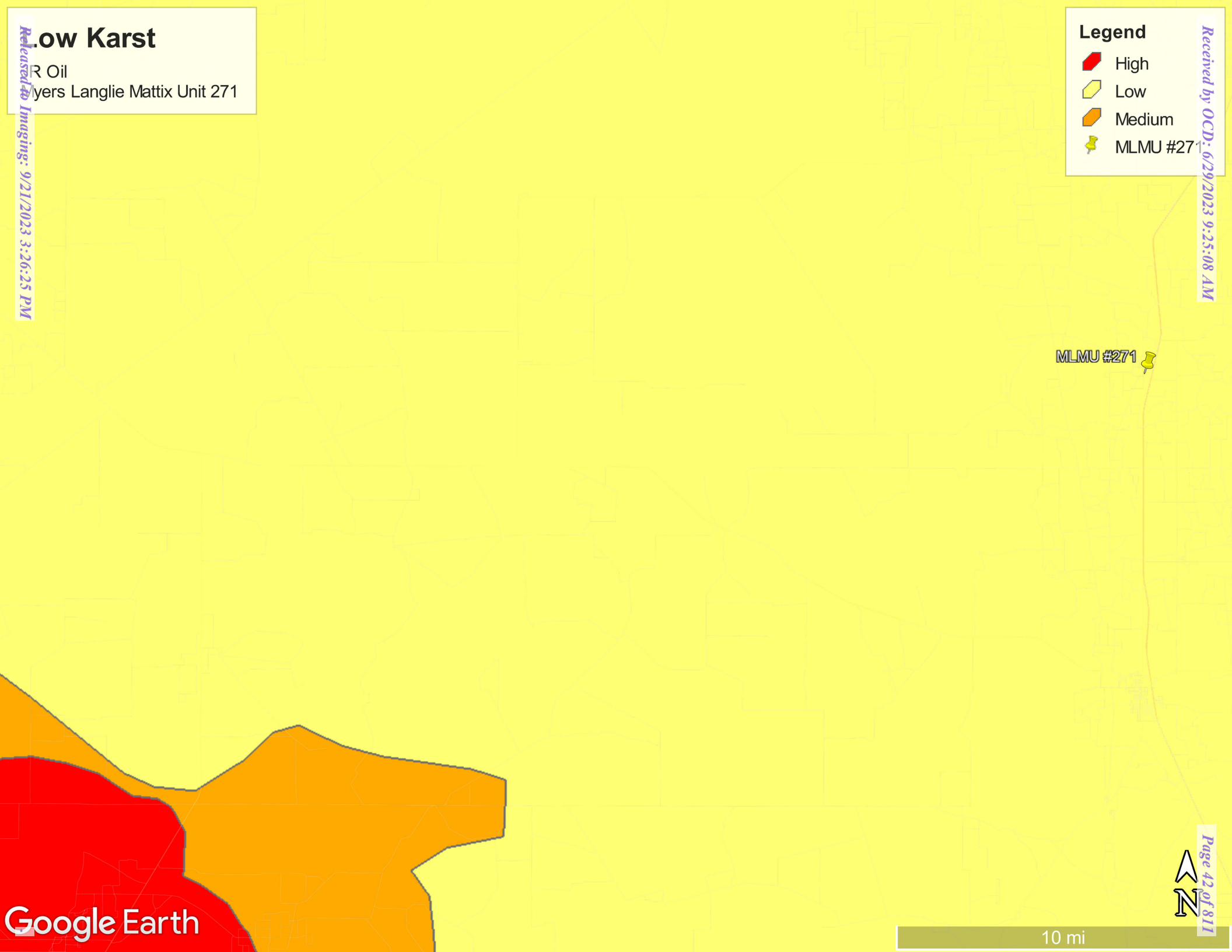
0 0.13 0.25 0.5 mi

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,

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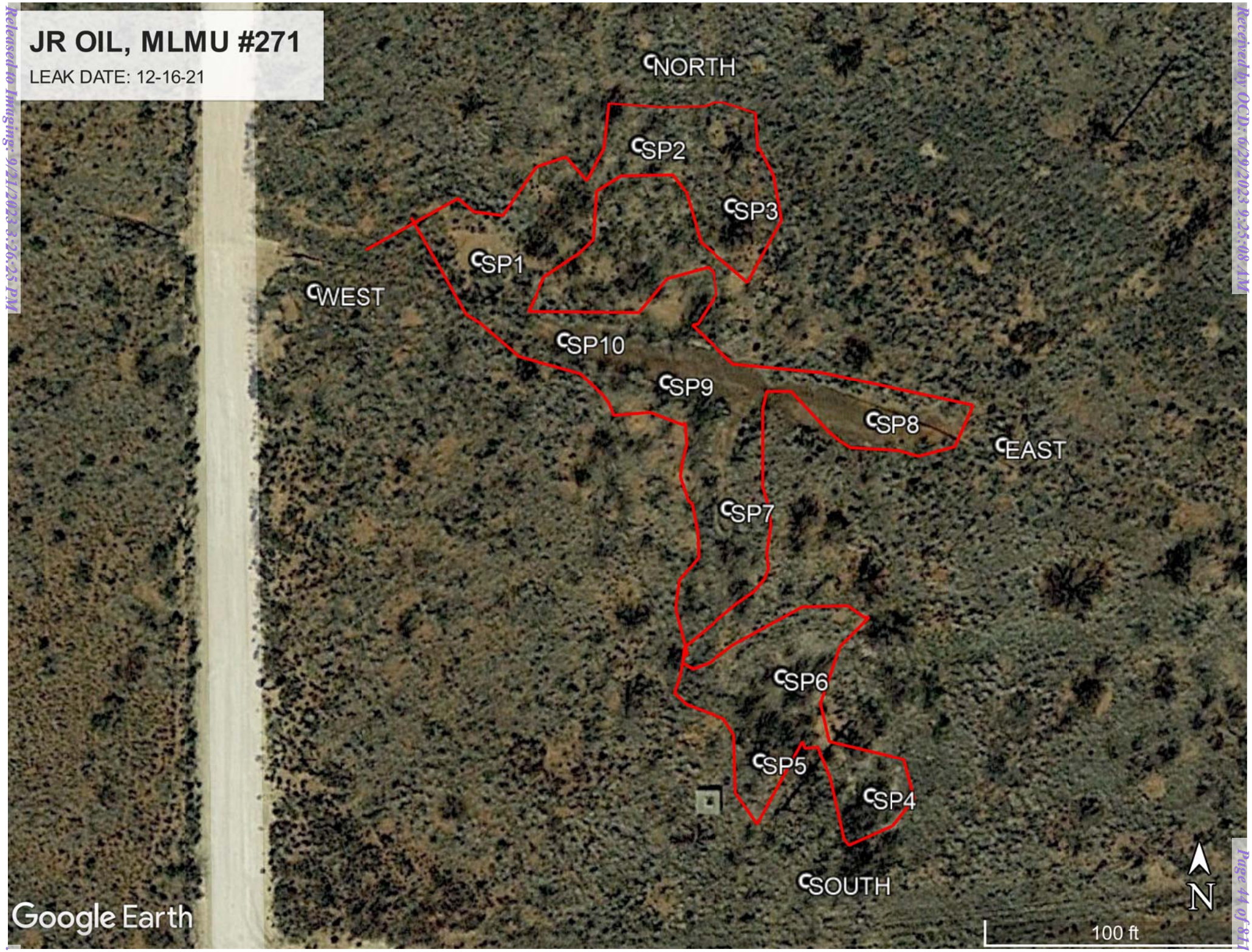
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TETRA TECH

Appendix C

Previous Consultant Data

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Laboratory Analytical Results Summary
MLMU # 271
SAMPLE DATE 1-6-22

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	1/6/22	1/6/22	1/6/22	1/6/22
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface 6"	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<1.00	<1.00	<1.00	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		**9.55**	**13.9**	**10.4**	**3.45**	**0.176**	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		**29.6**	**38.7**	**37.0**	**15.1**	**1.23**	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		**80.4**	**101**	**98.1**	**43.7**	**3.92**	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		**120**	**154**	**145**	**62.3**	**5.32**	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		**32.0**	**624**	**256**	**304**	**144**	**256**	**48.0**	**16.0**	**16.0**
GRO	TPH 8015M		**3060**	**3600**	**3250**	**1630**	**123**	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		**46200**	**27000**	**20900**	**13400**	**2360**	**202**	**19.0**	N/A	N/A
EXT DRO	TPH 8015M		**5120**	**2920**	**2280**	**1540**	**316**	**26.4**	<10.0	N/A	N/A

		Sample ID	SP2 @ Surface 8"	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'
Analyte	Method	Date	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<2.00	<1.00	<2.00	<1.00	<0.050	N/A	N/A
Toluene	BTEX 8021B		**12.7**	**8.78**	**10.9**	**11.4**	**6.20**	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		**43.0**	**35.2**	**40.2**	**37.8**	**23.6**	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		**122**	**95.6**	**103**	**109**	**67.5**	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		**177**	**140**	**154**	**159**	**97.3**	<0.300	N/A	N/A
Chloride	SM4500Cl-B		**48.0**	**128**	**144**	**336**	**256**	**32.0**	**16.0**	**32.0**
GRO	TPH 8015M		**4780**	**3010**	**2570**	**2820**	**1590**	<10.0	N/A	N/A
DRO	TPH 8015M		**36500**	**19100**	**17900**	**17900**	**11800**	**17.0**	N/A	N/A
EXT DRO	TPH 8015M		**3720**	**1950**	**2250**	**2400**	**1630**	<10.0	N/A	N/A

		Sample ID	SP3 @ Surface 8"	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'	SP3 @ 7'
Analyte	Method	Date	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22	1/6/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.500	<0.050	<0.100	<0.050	N/A	N/A
Toluene	BTEX 8021B		**7.77**	**0.186**	**3.12**	<0.050	**1.63**	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		**26.7**	**1.19**	**13.5**	<0.050	**7.83**	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		**76.5**	**3.83**	**39.4**	<0.150	**21.9**	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		**111**	**5.20**	**56.0**	<0.300	**31.4**	<0.300	N/A	N/A
Chloride	SM4500Cl-B		**48.0**	**784**	**224**	**240**	**32.0**	**32.0**	**32.0**	**32.0**
GRO	TPH 8015M		**1780**	**60.8**	**1150**	<10.0	**433**	<10.0	N/A	N/A
DRO	TPH 8015M		**29400**	**1290**	**13400**	**15.1**	**5350**	**17.0**	N/A	N/A
EXT DRO	TPH 8015M		**4000**	**196**	**1710**	<10.0	**700**	<10.0	N/A	N/A

Laboratory Analytical Results Summary
MLMU # 271
SAMPLE DATE 1-6-22

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'	SP4 @ 7'
Analyte	Method	Date	1/6/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.200	<0.050	<0.500	<0.050	N/A	N/A
Toluene	BTEX 8021B		4.68	0.929	1.90	<0.050	2.03	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		15.2	5.04	8.60	0.249	9.26	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		44.9	14.2	25.0	1.01	27.8	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		64.8	20.1	35.5	1.26	39.1	<0.300	N/A	N/A
Chloride	SM4500Cl-B		48.0	64.0	160	272	272	112	128	48.0
GRO	TPH 8015M		1060	251	503	34.0	740	<10.0	N/A	N/A
DRO	TPH 8015M		34100	6340	11000	1100	15800	<10.0	N/A	N/A
EXT DRO	TPH 8015M		4930	996	1590	140	2220	<10.0	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
Analyte	Method	Date	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		4.36	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		15.2	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		46.7	0.206	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		66.2	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		32.0	64.0	144	192	256	48.0
GRO	TPH 8015M		1530	12.2	13.9	<10.0	N/A	N/A
DRO	TPH 8015M		45000	402	265	12.1	N/A	N/A
EXT DRO	TPH 8015M		6010	36.0	11.8	<10.0	N/A	N/A

		Sample ID	SP6 @ Surface 8"	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'	SP6 @ 6'	SP6 @ 7'	SP6 @ 8'	SP6 @ 9'
Analyte	Method	Date	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<1.00	<1.00	<1.00	<0.500	<0.500	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		10.1	5.27	4.82	4.99	2.51	2.12	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		48.0	27.0	24.0	25.2	12.8	11.5	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		140	79.5	71.7	74.2	39.6	35.8	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		198	112	101	104	54.9	49.4	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		64.0	96.0	96.0	144	128	176	176	160	32.0	16.0
GRO	TPH 8015M		7140	2930	2560	3030	1770	1280	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		66800	23600	21400	21300	16500	12700	170	17.9	N/A	N/A
EXT DRO	TPH 8015M		9070	2770	2650	2590	1710	1380	10.4	<10.0	N/A	N/A

		Sample ID	SP7 @ Surface 8"	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 6'	SP7 @ 7'
Analyte	Method	Date	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22	1/7/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<0.500	<0.500	<0.500	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		3.94	3.28	2.87	2.3	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		15.6	12.8	12.9	9.96	0.159	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		48.4	37.2	37.8	30.6	0.663	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		67.9	53.3	53.6	42.9	0.822	<0.300	N/A	N/A
Chloride	SM4500Cl-B		32.0	32.0	32.0	32.0	32.0	128	32.0	48.0
GRO	TPH 8015M		2050	1770	1240	1060	32.0	<10.0	N/A	N/A
DRO	TPH 8015M		31100	25700	16300	15600	963	15.3	N/A	N/A
EXT DRO	TPH 8015M		3380	2610	1840	1750	110	<10.0	N/A	N/A

Laboratory Analytical Results Summary
MLMU # 271
SAMPLE DATE 1-6-22

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'	SP8 @ 5'	SP8 @ 6'
Analyte	Method	Date	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		**0.131**	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		**0.891**	<0.050	**0.139**	<0.050	**0.218**	N/A	N/A
Total Xylenes	BTEX 8021B		**2.73**	<0.150	**0.555**	<0.150	**0.808**	N/A	N/A
Total BTEX	BTEX 8021B		**3.75**	<0.300	**0.694**	<0.300	**1.03**	N/A	N/A
Chloride	SM4500Cl-B		**80.0**	**560**	**496**	**64.0**	**192**	**32.0**	**48.0**
GRO	TPH 8015M		**45.7**	<10.0	**32.0**	<10.0	**29.7**	N/A	N/A
DRO	TPH 8015M		**1320**	**18.0**	**586**	**72.2**	**923**	N/A	N/A
EXT DRO	TPH 8015M		**184**	<10.0	**94.5**	<10.0	**133**	N/A	N/A

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'	SP9 @ 5'	SP9 @ 6'	SP9 @ 7'
Analyte	Method	Date	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	**1.54**	<0.500	<0.500	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		**0.576**	**54.5**	**4.70**	**2.53**	**1.72**	**0.339**	<0.050	<0.050
Ethylbenzene	BTEX 8021B		**1.65**	**124**	**21.5**	**11.2**	**6.62**	**2.30**	<0.050	<0.050
Total Xylenes	BTEX 8021B		**4.37**	**277**	**59.1**	**31.5**	**16.8**	**7.26**	**0.151**	<0.150
Total BTEX	BTEX 8021B		**6.60**	**457**	**85.3**	**45.2**	**25.2**	**9.90**	<0.300	<0.300
Chloride	SM4500Cl-B		**176**	**80.0**	**448**	**720**	**432**	**144**	**32.0**	**16.0**
GRO	TPH 8015M		**1470**	**9020**	**1690**	**668**	**370**	**228**	<10.0	<10.0
DRO	TPH 8015M		**14300**	**49600**	**16500**	**7300**	**5280**	**3280**	**20.1**	**18.7**
EXT DRO	TPH 8015M		**1660**	**5580**	**1950**	**878**	**864**	**164**	<10.0	<10.0

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'	SP10 @ 4'	SP10 @ 5'
Analyte	Method	Date	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22	1/10/22
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		**0.537**	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		**2.46**	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		**7.00**	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		**10.0**	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		**160**	**16.0**	**32.0**	**16.0**	<16.0	<16.0
GRO	TPH 8015M		**115**	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		**4200**	<10.0	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		**430**	<10.0	<10.0	<10.0	N/A	N/A

CARDINAL Laboratories

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

January 24, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #271

Enclosed are the results of analyses for samples received by the laboratory on 01/17/22 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NORTH	H220176-01	Soil	06-Jan-22 08:45	17-Jan-22 12:00
EAST	H220176-02	Soil	06-Jan-22 08:57	17-Jan-22 12:00
WEST	H220176-03	Soil	06-Jan-22 09:12	17-Jan-22 12:00
SOUTH	H220176-04	Soil	06-Jan-22 09:26	17-Jan-22 12:00
SP 1 @ SURFACE 6''	H220176-05	Soil	06-Jan-22 09:42	17-Jan-22 12:00
SP 1 @ 1'	H220176-06	Soil	06-Jan-22 09:55	17-Jan-22 12:00
SP 1 @ 2'	H220176-07	Soil	06-Jan-22 10:12	17-Jan-22 12:00
SP 1 @ 3'	H220176-08	Soil	06-Jan-22 10:42	17-Jan-22 12:00
SP 1 @ 4'	H220176-09	Soil	06-Jan-22 10:55	17-Jan-22 12:00
SP 1 @ 5'	H220176-10	Soil	06-Jan-22 11:09	17-Jan-22 12:00
SP 1 @ 6'	H220176-11	Soil	06-Jan-22 11:20	17-Jan-22 12:00
SP 1 @ 7'	H220176-12	Soil	06-Jan-22 11:32	17-Jan-22 12:00
SP 1 @ 8'	H220176-13	Soil	06-Jan-22 11:47	17-Jan-22 12:00
SP 2 @ SURFACE 8''	H220176-14	Soil	06-Jan-22 12:05	17-Jan-22 12:00
SP 2 @ 1'	H220176-15	Soil	06-Jan-22 12:50	17-Jan-22 12:00
SP 2 @ 2'	H220176-16	Soil	06-Jan-22 13:07	17-Jan-22 12:00
SP 2 @ 3'	H220176-17	Soil	06-Jan-22 13:16	17-Jan-22 12:00
SP 2 @ 4'	H220176-18	Soil	06-Jan-22 13:27	17-Jan-22 12:00
SP 2 @ 5'	H220176-19	Soil	06-Jan-22 13:42	17-Jan-22 12:00
SP 2 @ 6'	H220176-20	Soil	06-Jan-22 13:54	17-Jan-22 12:00
SP 2 @ 7'	H220176-21	Soil	06-Jan-22 14:08	17-Jan-22 12:00
SP 3 @ SURFACE 8''	H220176-22	Soil	06-Jan-22 14:25	17-Jan-22 12:00
SP 3 @ 1'	H220176-23	Soil	06-Jan-22 14:38	17-Jan-22 12:00
SP 3 @ 2'	H220176-24	Soil	06-Jan-22 14:53	17-Jan-22 12:00
SP 3 @ 3'	H220176-25	Soil	06-Jan-22 15:07	17-Jan-22 12:00
SP 3 @ 4'	H220176-26	Soil	06-Jan-22 15:15	17-Jan-22 12:00
SP 3 @ 5'	H220176-27	Soil	06-Jan-22 15:23	17-Jan-22 12:00

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 6'	H220176-28	Soil	06-Jan-22 15:40	17-Jan-22 12:00
SP 3 @ 7'	H220176-29	Soil	06-Jan-22 15:53	17-Jan-22 12:00
SP 4 @ SURFACE	H220176-30	Soil	06-Jan-22 08:25	17-Jan-22 12:00
SP 4 @ 1'	H220176-31	Soil	07-Jan-22 08:31	17-Jan-22 12:00
SP 4 @ 2'	H220176-32	Soil	07-Jan-22 08:44	17-Jan-22 12:00
SP 4 @ 3'	H220176-33	Soil	07-Jan-22 08:55	17-Jan-22 12:00
SP 4 @ 4'	H220176-34	Soil	07-Jan-22 09:12	17-Jan-22 12:00
SP 4 @ 5'	H220176-35	Soil	07-Jan-22 09:23	17-Jan-22 12:00
SP 4 @ 6'	H220176-36	Soil	07-Jan-22 09:32	17-Jan-22 12:00
SP 4 @ 7'	H220176-37	Soil	07-Jan-22 09:44	17-Jan-22 12:00
SP 5 @ SURFACE	H220176-38	Soil	07-Jan-22 09:57	17-Jan-22 12:00
SP 5 @ 1'	H220176-39	Soil	07-Jan-22 10:10	17-Jan-22 12:00
SP 5 @ 2'	H220176-40	Soil	07-Jan-22 10:32	17-Jan-22 12:00
SP 5 @ 3'	H220176-41	Soil	07-Jan-22 10:44	17-Jan-22 12:00
SP 5 @ 4'	H220176-42	Soil	07-Jan-22 10:56	17-Jan-22 12:00
SP 5 @ 5'	H220176-43	Soil	07-Jan-22 11:12	17-Jan-22 12:00
SP 6 @ SURFACE 8"	H220176-44	Soil	07-Jan-22 11:25	17-Jan-22 12:00
SP 6 @ 1'	H220176-45	Soil	07-Jan-22 11:39	17-Jan-22 12:00
SP 6 @ 2'	H220176-46	Soil	07-Jan-22 11:53	17-Jan-22 12:00
SP 6 @ 3'	H220176-47	Soil	07-Jan-22 12:45	17-Jan-22 12:00
SP 6 @ 4'	H220176-48	Soil	07-Jan-22 12:57	17-Jan-22 12:00
SP 6 @ 5'	H220176-49	Soil	07-Jan-22 13:12	17-Jan-22 12:00
SP 6 @ 6'	H220176-50	Soil	07-Jan-22 13:21	17-Jan-22 12:00
SP 6 @ 7'	H220176-51	Soil	07-Jan-22 13:30	17-Jan-22 12:00
SP 6 @ 8'	H220176-52	Soil	07-Jan-22 13:44	17-Jan-22 12:00
SP 6 @ 9'	H220176-53	Soil	07-Jan-22 13:59	17-Jan-22 12:00
SP 7 @ SURFACE 8"	H220176-54	Soil	07-Jan-22 14:14	17-Jan-22 12:00
SP 7 @ 1'	H220176-55	Soil	07-Jan-22 14:27	17-Jan-22 12:00
SP 7 @ 2'	H220176-56	Soil	07-Jan-22 14:39	17-Jan-22 12:00
SP 7 @ 3'	H220176-57	Soil	07-Jan-22 14:52	17-Jan-22 12:00

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 4'	H220176-58	Soil	07-Jan-22 15:08	17-Jan-22 12:00
SP 7 @ 5'	H220176-59	Soil	07-Jan-22 15:20	17-Jan-22 12:00
SP 7 @ 6'	H220176-60	Soil	07-Jan-22 15:32	17-Jan-22 12:00
SP 7 @ 7'	H220176-61	Soil	07-Jan-22 15:48	17-Jan-22 12:00
SP 8 @ SURFACE	H220176-62	Soil	10-Jan-22 09:25	17-Jan-22 12:00
SP 8 @ 1'	H220176-63	Soil	10-Jan-22 09:37	17-Jan-22 12:00
SP 8 @ 2'	H220176-64	Soil	10-Jan-22 09:51	17-Jan-22 12:00
SP 8 @ 3'	H220176-65	Soil	10-Jan-22 10:04	17-Jan-22 12:00
SP 8 @ 4'	H220176-66	Soil	10-Jan-22 10:16	17-Jan-22 12:00
SP 8 @ 5'	H220176-67	Soil	10-Jan-22 10:25	17-Jan-22 12:00
SP 8 @ 6'	H220176-68	Soil	10-Jan-22 10:41	17-Jan-22 12:00
SP 9 @ SURFACE	H220176-69	Soil	10-Jan-22 11:07	17-Jan-22 12:00
SP 9 @ 1'	H220176-70	Soil	10-Jan-22 11:18	17-Jan-22 12:00
SP 9 @ 2'	H220176-71	Soil	10-Jan-22 11:33	17-Jan-22 12:00
SP 9 @ 3'	H220176-72	Soil	10-Jan-22 11:45	17-Jan-22 12:00
SP 9 @ 4'	H220176-73	Soil	10-Jan-22 11:57	17-Jan-22 12:00
SP 9 @ 5'	H220176-74	Soil	10-Jan-22 12:48	17-Jan-22 12:00
SP 9 @ 6'	H220176-75	Soil	10-Jan-22 13:04	17-Jan-22 12:00
SP 9 @ 7'	H220176-76	Soil	10-Jan-22 13:15	17-Jan-22 12:00
SP 10 @ SURFACE	H220176-77	Soil	10-Jan-22 13:25	17-Jan-22 12:00
SP 10 @ 1'	H220176-78	Soil	10-Jan-22 13:36	17-Jan-22 12:00
SP 10 @ 2'	H220176-79	Soil	10-Jan-22 13:47	17-Jan-22 12:00
SP 10 @ 3'	H220176-80	Soil	10-Jan-22 13:58	17-Jan-22 12:00
SP 10 @ 4'	H220176-81	Soil	10-Jan-22 14:10	17-Jan-22 12:00
SP 10 @ 5'	H220176-82	Soil	10-Jan-22 14:21	17-Jan-22 12:00

01/24/22 - Client added BTEX and TPH to sample lab numbers -67, -68, -75 and -76. This is the revised report and will replace the one sent on 01/20/22.

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NORTH

H220176-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011719	MS/	20-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011719	MS/	20-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011719	MS/	20-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011719	MS/	20-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011719	MS/	20-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011719*	MS/	*20-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*92.9 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*104 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

EAST

H220176-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.8 %*	*69.9-140*		*2011719*	MS/	*17-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*108 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

WEST

H220176-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011719	MS/	17-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.5 %*	*69.9-140*		*2011719*	MS/	*17-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*122 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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SOUTH

H220176-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.7 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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SP 1 @ SURFACE 6"

H220176-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**9.55**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**29.6**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**80.4**		6.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**120**		12.0	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**3060**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**46200**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**5120**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1390 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1360 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 1'

H220176-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**624**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**13.9**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**38.7**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**101**		3.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**154**		6.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*131 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**3600**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**27000**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**2920**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1020 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*748 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 2'

H220176-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**256**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**10.4**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**37.0**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**98.1**		3.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**145**		6.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*131 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**3250**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**20900**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**2280**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1180 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*624 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 3'

H220176-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**304**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**3.45**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**15.1**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**43.7**		3.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**62.3**		6.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*121 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1630**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**13400**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**1540**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*479 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*491 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 4'

H220176-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	**0.176**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**1.23**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**3.92**		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**5.32**		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*144 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**123**		50.0	mg/kg	5	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**2360**		50.0	mg/kg	5	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**316**		50.0	mg/kg	5	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*159 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*210 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 5'

H220176-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**256**		16.0	mg/kg	4	2011810	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**202**		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**26.4**		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*126 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 6'

H220176-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.6 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**19.0**		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*105 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*114 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 7'

H220176-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 1 @ 8'

H220176-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ SURFACE 8"

H220176-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**12.7**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**43.0**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**122**		6.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**177**		12.0	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*125 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**4780**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**36500**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**3720**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*2010 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1250 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 1'

H220176-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**8.78**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**35.2**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**95.6**		6.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**140**		12.0	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**3010**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
DRO >C10-C28*	**19100**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
EXT DRO >C28-C36	**1950**		100	mg/kg	10	2011721	MS	17-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1040 %*	*66.9-136*		*2011721*	MS	*17-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*797 %*	*59.5-142*		*2011721*	MS	*17-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 2'

H220176-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**10.9**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**40.2**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**103**		3.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**154**		6.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*133 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2570**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**17900**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**2250**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*394 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*464 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 3'

H220176-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**336**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**11.4**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**37.8**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**109**		6.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**159**		12.0	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*120 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2820**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**17900**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**2400**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*376 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*450 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 4'

H220176-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**256**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**6.20**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**23.6**		1.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**67.5**		3.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**97.3**		6.00	mg/kg	1000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*131 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1590**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**11800**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**1630**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*279 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*344 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 5'

H220176-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.4 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**17.0**		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*112 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 2 @ 6'

H220176-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

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SP 2 @ 7'

H220176-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ SURFACE 8"

H220176-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**7.77**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**26.7**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**76.5**		6.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**111**		12.0	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1780**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**29400**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**4000**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*518 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*700 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 1'

H220176-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**784**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	**0.186**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**1.19**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**3.83**		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**5.20**		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*152 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	*S-04*
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**60.8**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**1290**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**196**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*143 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*149 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 2'

H220176-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011720	MS/	18-Jan-22	8021B	
Toluene*	**3.12**		0.500	mg/kg	500	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**13.5**		0.500	mg/kg	500	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**39.4**		1.50	mg/kg	500	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**56.0**		3.00	mg/kg	500	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*138 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1150**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**13400**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**1710**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*299 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*393 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 3'

H220176-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**240**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**15.1**		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*110 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 4'

H220176-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.100		0.100	mg/kg	100	2011720	MS/	18-Jan-22	8021B	
Toluene*	**1.63**		0.100	mg/kg	100	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**7.83**		0.100	mg/kg	100	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**21.9**		0.300	mg/kg	100	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**31.4**		0.600	mg/kg	100	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*211 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**433**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**5350**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**700**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*184 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*218 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 5'

H220176-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**17.0**		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*115 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 6'

H220176-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 3 @ 7'

H220176-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ SURFACE

H220176-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011821	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Toluene*	**4.68**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**15.2**		2.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**44.9**		6.00	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**64.8**		12.0	mg/kg	2000	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1060**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**34100**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**4930**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*477 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*832 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 1'

H220176-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	**0.929**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**5.04**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**14.2**		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**20.1**		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*213 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**251**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**6340**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**996**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*169 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*241 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 2'

H220176-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.200		0.200	mg/kg	200	2011720	MS/	19-Jan-22	8021B	
Toluene*	**1.90**		0.200	mg/kg	200	2011720	MS/	19-Jan-22	8021B	
Ethylbenzene*	**8.60**		0.200	mg/kg	200	2011720	MS/	19-Jan-22	8021B	
Total Xylenes*	**25.0**		0.600	mg/kg	200	2011720	MS/	19-Jan-22	8021B	
Total BTEX	**35.5**		1.20	mg/kg	200	2011720	MS/	19-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*161 %*	*69.9-140*		*2011720*	MS/	*19-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**503**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**11000**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**1590**		50.0	mg/kg	5	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*230 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*326 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 3'

H220176-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**272**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Ethylbenzene*	**0.249**		0.050	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total Xylenes*	**1.01**		0.150	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Total BTEX	**1.26**		0.300	mg/kg	50	2011720	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*120 %*	*69.9-140*		*2011720*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**34.0**		10.0	mg/kg	1	2011807	MS	19-Jan-22	8015B	
DRO >C10-C28*	**1100**		10.0	mg/kg	1	2011807	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**140**		10.0	mg/kg	1	2011807	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*119 %*	*66.9-136*		*2011807*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*141 %*	*59.5-142*		*2011807*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 4'

H220176-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**272**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Toluene*	**2.03**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**9.26**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**27.8**		1.50	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**39.1**		3.00	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*128 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**740**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**15800**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**2220**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*281 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*434 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 5'

H220176-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*111 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*112 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 6'

H220176-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 4 @ 7'

H220176-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ SURFACE

H220176-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**4.36**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**15.2**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**46.7**		6.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**66.2**		12.0	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1530**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
DRO >C10-C28*	**45000**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
EXT DRO >C28-C36	**6010**		100	mg/kg	10	2011807	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*738 %*	*66.9-136*		*2011807*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1040 %*	*59.5-142*		*2011807*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ 1'

H220176-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**0.206**		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**12.2**		10.0	mg/kg	1	2011808	MS	18-Jan-22	8015B	
DRO >C10-C28*	**402**		10.0	mg/kg	1	2011808	MS	18-Jan-22	8015B	QM-07
EXT DRO >C28-C36	**36.0**		10.0	mg/kg	1	2011808	MS	18-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*66.9-136*		*2011808*	MS	*18-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*59.5-142*		*2011808*	MS	*18-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ 2'

H220176-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**13.9**		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**265**		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**11.8**		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*86.4 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.4 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ 3'

H220176-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**12.1**		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*87.6 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.3 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ 4'

H220176-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**256**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 5 @ 5'

H220176-43 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ SURFACE 8"

H220176-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**10.1**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**48.0**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**140**		6.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**198**		12.0	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*127 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**7140**		200	mg/kg	20	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**66800**		200	mg/kg	20	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**9070**		200	mg/kg	20	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1190 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1700 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 1'

H220176-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**5.27**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**27.0**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**79.5**		3.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**112**		6.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*134 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2930**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**23600**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**2770**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*526 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*563 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 2'

H220176-46 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**4.82**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**24.0**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**71.7**		3.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**101**		6.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*134 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2560**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**21400**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**2650**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*473 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*729 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 3'

H220176-47 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<1.00		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**4.99**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**25.2**		1.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**74.2**		3.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**104**		6.00	mg/kg	1000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*132 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**3030**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**21300**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**2590**		100	mg/kg	10	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1040 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*842 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 4'

H220176-48 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.500		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Toluene*	**2.51**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**12.8**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**39.6**		1.50	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**54.9**		3.00	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*142 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1770**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**16500**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1710**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*925 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1510 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 5'

H220176-49 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Toluene*	**2.12**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**11.5**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**35.8**		1.50	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**49.4**		3.00	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*140 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1280**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**12700**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1380**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*665 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1200 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 6'

H220176-50 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	2011822	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**170**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**10.4**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*130 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 7'

H220176-51 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**17.9**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 8'

H220176-52 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 6 @ 9'

H220176-53 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ SURFACE 8"

H220176-54 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Toluene*	**3.94**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**15.6**		2.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**48.4**		6.00	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**67.9**		12.0	mg/kg	2000	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2050**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**31100**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**3380**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1430 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*2770 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 1'

H220176-55 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Toluene*	**3.28**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Ethylbenzene*	**12.8**		0.500	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total Xylenes*	**37.2**		1.50	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Total BTEX	**53.3**		3.00	mg/kg	500	2011724	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*134 %*	*69.9-140*		*2011724*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1770**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**25700**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**2610**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*1240 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*3550 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 2'

H220176-56 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Toluene*	**2.87**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**12.9**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	QM-07
Total Xylenes*	**37.8**		1.50	mg/kg	500	2011725	MS/	18-Jan-22	8021B	QM-07
Total BTEX	**53.6**		3.00	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*137 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1240**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**16300**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1840**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*782 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1530 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 3'

H220176-57 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Toluene*	**2.30**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**9.96**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**30.6**		1.50	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**42.9**		3.00	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*133 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1060**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**15600**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1750**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*760 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1470 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 4'

H220176-58 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**0.159**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**0.663**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**0.822**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**32.0**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**963**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**110**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*119 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*203 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 5'

H220176-59 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**15.3**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 6'

H220176-60 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 7 @ 7'

H220176-61 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ SURFACE

H220176-62 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	**0.131**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**0.891**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**2.73**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**3.75**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**45.7**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**1320**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**184**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*123 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*251 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 1'

H220176-63 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**560**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**18.0**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 2'

H220176-64 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**496**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**0.139**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**0.555**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**0.694**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**32.0**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**586**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**94.5**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*115 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*170 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 3'

H220176-65 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
DRO >C10-C28*	**72.2**		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	QM-07
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011809	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*94.1 %*	*66.9-136*		*2011809*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.7 %*	*59.5-142*		*2011809*	MS	*19-Jan-22*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 4'

H220176-66 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**0.218**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**0.808**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**1.03**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**29.7**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**923**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**133**		10.0	mg/kg	1	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*209 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 5'

H220176-67 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2012105*	MS/	*21-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*79.6 %*	*66.9-136*		*2012022*	MS	*21-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.1 %*	*59.5-142*		*2012022*	MS	*21-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 8 @ 6'

H220176-68 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2012105*	MS/	*21-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*80.5 %*	*66.9-136*		*2012022*	MS	*21-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.4 %*	*59.5-142*		*2012022*	MS	*21-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ SURFACE

H220176-69 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	**0.576**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**1.65**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**4.37**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**6.60**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*135 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1470**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**14300**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1660**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*711 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1360 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 1'

H220176-70 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	2011823	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**1.54**		1.00	mg/kg	1000	2011725	MS/	18-Jan-22	8021B	
Toluene*	**54.5**		1.00	mg/kg	1000	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**124**		1.00	mg/kg	1000	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**277**		3.00	mg/kg	1000	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**457**		6.00	mg/kg	1000	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*166 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**9020**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**49600**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**5580**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*4340 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*4280 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 2'

H220176-71 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**448**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.500		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Toluene*	**4.70**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**21.5**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**59.1**		1.50	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**85.3**		3.00	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*150 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1690**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**16500**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**1950**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*799 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*1560 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 3'

H220176-72 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**720**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.500		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Toluene*	**2.53**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**11.2**		0.500	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**31.5**		1.50	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**45.2**		3.00	mg/kg	500	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*128 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**668**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**7300**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**878**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*313 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*756 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 4'

H220176-73 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**432**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	**1.72**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	**6.62**		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	**16.8**		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	**25.2**		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*232 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**370**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
DRO >C10-C28*	**5280**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**864**		100	mg/kg	10	2011814	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*228 %*	*66.9-136*		*2011814*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*722 %*	*59.5-142*		*2011814*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 5'

H220176-74 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Toluene*	**0.339**		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Ethylbenzene*	**2.30**		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Total Xylenes*	**7.26**		0.150	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Total BTEX	**9.90**		0.300	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*130 %*	*69.9-140*		*2011725*	MS/	*19-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**228**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
DRO >C10-C28*	**3280**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**164**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*134 %*	*66.9-136*		*2011815*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*131 %*	*59.5-142*		*2011815*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 6'

H220176-75 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total Xylenes*	**0.151**		0.150	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2012105*	MS/	*21-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
DRO >C10-C28*	**20.1**		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*84.0 %*	*66.9-136*		*2012022*	MS	*21-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.2 %*	*59.5-142*		*2012022*	MS	*21-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 9 @ 7'

H220176-76 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2012105	MS/	21-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2012105*	MS/	*21-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
DRO >C10-C28*	**18.7**		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2012022	MS	21-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*82.8 %*	*66.9-136*		*2012022*	MS	*21-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.6 %*	*59.5-142*		*2012022*	MS	*21-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ SURFACE

H220176-77 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Toluene*	**0.537**		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Ethylbenzene*	**2.46**		0.050	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Total Xylenes*	**7.00**		0.150	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Total BTEX	**10.0**		0.300	mg/kg	50	2011725	MS/	19-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*126 %*	*69.9-140*		*2011725*	MS/	*19-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**115**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
DRO >C10-C28*	**4200**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	**430**		50.0	mg/kg	5	2011815	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*66.9-136*		*2011815*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*139 %*	*59.5-142*		*2011815*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ 1'

H220176-78 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*104 %*	*66.9-136*		*2011815*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*101 %*	*59.5-142*		*2011815*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ 2'

H220176-79 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*66.9-136*		*2011815*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*59.5-142*		*2011815*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ 3'

H220176-80 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2011725	MS/	18-Jan-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.4 %*	*69.9-140*		*2011725*	MS/	*18-Jan-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2011815	MS	19-Jan-22	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*66.9-136*		*2011815*	MS	*19-Jan-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*101 %*	*59.5-142*		*2011815*	MS	*19-Jan-22*	*8015B*	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ 4'

H220176-81 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

SP 10 @ 5'

H220176-82 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2011811	GM	18-Jan-22	4500-Cl-B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011810 - 1:4 DI Water										
Blank (2011810-BLK1)				Prepared & Analyzed: 18-Jan-22						
Chloride	ND	16.0	mg/kg							
LCS (2011810-BS1)				Prepared & Analyzed: 18-Jan-22						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2011810-BSD1)				Prepared & Analyzed: 18-Jan-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 2011811 - 1:4 DI Water										
Blank (2011811-BLK1)				Prepared & Analyzed: 18-Jan-22						
Chloride	ND	16.0	mg/kg							
LCS (2011811-BS1)				Prepared & Analyzed: 18-Jan-22						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2011811-BSD1)				Prepared & Analyzed: 18-Jan-22						
Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20	
Batch 2011821 - 1:4 DI Water										
Blank (2011821-BLK1)				Prepared & Analyzed: 18-Jan-22						
Chloride	ND	16.0	mg/kg							
LCS (2011821-BS1)				Prepared & Analyzed: 18-Jan-22						
Chloride	400	16.0	mg/kg	400		100	80-120			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011821 - 1:4 DI Water										
LCS Dup (2011821-BSD1)				Prepared & Analyzed: 18-Jan-22						
Chloride	384	16.0	mg/kg	400		96.0	80-120	4.08	20	
Batch 2011822 - 1:4 DI Water										
Blank (2011822-BLK1)				Prepared & Analyzed: 18-Jan-22						
Chloride	ND	16.0	mg/kg							
LCS (2011822-BS1)				Prepared & Analyzed: 18-Jan-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2011822-BSD1)				Prepared & Analyzed: 18-Jan-22						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 2011823 - 1:4 DI Water										
Blank (2011823-BLK1)				Prepared & Analyzed: 18-Jan-22						
Chloride	ND	16.0	mg/kg							
LCS (2011823-BS1)				Prepared & Analyzed: 18-Jan-22						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2011823-BSD1)				Prepared & Analyzed: 18-Jan-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Celey D. Keene, Lab Director/Quality Manager

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011719 - Volatiles										
Blank (2011719-BLK1)				Prepared & Analyzed: 17-Jan-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*99.8*	*69.9-140*			
LCS (2011719-BS1)				Prepared & Analyzed: 17-Jan-22						
Benzene	2.11	0.050	mg/kg	2.00		105	85.1-114			
Toluene	2.05	0.050	mg/kg	2.00		102	88.6-116			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.4-115			
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	85.5-116			
o-Xylene	1.98	0.050	mg/kg	2.00		99.1	85.2-111			
Total Xylenes	6.07	0.150	mg/kg	6.00		101	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0479*		mg/kg	*0.0500*		*95.8*	*69.9-140*			
LCS Dup (2011719-BSD1)				Prepared & Analyzed: 17-Jan-22						
Benzene	2.06	0.050	mg/kg	2.00		103	85.1-114	2.33	12.6	
Toluene	2.00	0.050	mg/kg	2.00		100	88.6-116	2.21	13.3	
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.9	84.4-115	2.04	13.9	
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	85.5-116	2.00	13.6	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	85.2-111	1.49	14.1	
Total Xylenes	5.96	0.150	mg/kg	6.00		99.3	86.2-113	1.83	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0480*		mg/kg	*0.0500*		*96.0*	*69.9-140*			
Batch 2011720 - Volatiles										
Blank (2011720-BLK1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011720 - Volatiles										
Blank (2011720-BLK1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*99.4*	*69.9-140*			
LCS (2011720-BS1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	2.00	0.050	mg/kg	2.00		99.8	85.1-114			
Toluene	1.93	0.050	mg/kg	2.00		96.7	88.6-116			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	84.4-115			
m,p-Xylene	3.89	0.100	mg/kg	4.00		97.3	85.5-116			
o-Xylene	1.90	0.050	mg/kg	2.00		94.8	85.2-111			
Total Xylenes	5.79	0.150	mg/kg	6.00		96.4	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0488*		mg/kg	*0.0500*		*97.5*	*69.9-140*			
LCS Dup (2011720-BSD1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	2.05	0.050	mg/kg	2.00		102	85.1-114	2.61	12.6	
Toluene	1.99	0.050	mg/kg	2.00		99.4	88.6-116	2.72	13.3	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	84.4-115	3.01	13.9	
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	85.5-116	2.94	13.6	
o-Xylene	1.96	0.050	mg/kg	2.00		98.0	85.2-111	3.26	14.1	
Total Xylenes	5.97	0.150	mg/kg	6.00		99.4	86.2-113	3.04	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0486*		mg/kg	*0.0500*		*97.2*	*69.9-140*			
Batch 2011724 - Volatiles										
Blank (2011724-BLK1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*69.9-140*			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011724 - Volatiles										
LCS (2011724-BS1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	1.91	0.050	mg/kg	2.00		95.4	85.1-114			
Toluene	1.84	0.050	mg/kg	2.00		92.0	88.6-116			
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.6	84.4-115			
m,p-Xylene	3.76	0.100	mg/kg	4.00		94.1	85.5-116			
o-Xylene	1.82	0.050	mg/kg	2.00		91.2	85.2-111			
Total Xylenes	5.59	0.150	mg/kg	6.00		93.1	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.3*	*69.9-140*			
LCS Dup (2011724-BSD1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	1.98	0.050	mg/kg	2.00		98.9	85.1-114	3.58	12.6	
Toluene	1.91	0.050	mg/kg	2.00		95.5	88.6-116	3.65	13.3	
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	84.4-115	3.42	13.9	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.5	85.5-116	3.55	13.6	
o-Xylene	1.90	0.050	mg/kg	2.00		95.2	85.2-111	4.29	14.1	
Total Xylenes	5.80	0.150	mg/kg	6.00		96.7	86.2-113	3.80	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0489*		mg/kg	*0.0500*		*97.7*	*69.9-140*			
Batch 2011725 - Volatiles										
Blank (2011725-BLK1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0504*		mg/kg	*0.0500*		*101*	*69.9-140*			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011725 - Volatiles										
LCS (2011725-BS1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	1.99	0.050	mg/kg	2.00		99.4	85.1-114			
Toluene	1.93	0.050	mg/kg	2.00		96.7	88.6-116			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.5	84.4-115			
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.0	85.5-116			
o-Xylene	1.89	0.050	mg/kg	2.00		94.3	85.2-111			
Total Xylenes	5.77	0.150	mg/kg	6.00		96.1	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0487*		mg/kg	*0.0500*		*97.3*	*69.9-140*			
LCS Dup (2011725-BSD1)				Prepared: 17-Jan-22 Analyzed: 18-Jan-22						
Benzene	2.06	0.050	mg/kg	2.00		103	85.1-114	3.67	12.6	
Toluene	2.00	0.050	mg/kg	2.00		100	88.6-116	3.51	13.3	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.0	84.4-115	3.66	13.9	
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	85.5-116	3.43	13.6	
o-Xylene	1.98	0.050	mg/kg	2.00		99.2	85.2-111	5.03	14.1	
Total Xylenes	6.00	0.150	mg/kg	6.00		100	86.2-113	3.95	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0488*		mg/kg	*0.0500*		*97.6*	*69.9-140*			
Batch 2012105 - Volatiles										
Blank (2012105-BLK1)				Prepared & Analyzed: 21-Jan-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*99.5*	*69.9-140*			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2012105 - Volatiles										
LCS (2012105-BS1)				Prepared & Analyzed: 21-Jan-22						
Benzene	2.22	0.050	mg/kg	2.00		111	85.1-114			
Toluene	2.15	0.050	mg/kg	2.00		108	88.6-116			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.4-115			
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	85.5-116			
o-Xylene	2.10	0.050	mg/kg	2.00		105	85.2-111			
Total Xylenes	6.38	0.150	mg/kg	6.00		106	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*98.0*	*69.9-140*			
LCS Dup (2012105-BSD1)				Prepared & Analyzed: 21-Jan-22						
Benzene	2.24	0.050	mg/kg	2.00		112	85.1-114	0.597	12.6	
Toluene	2.16	0.050	mg/kg	2.00		108	88.6-116	0.304	13.3	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.4-115	0.315	13.9	
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	85.5-116	0.240	13.6	
o-Xylene	2.08	0.050	mg/kg	2.00		104	85.2-111	1.12	14.1	
Total Xylenes	6.37	0.150	mg/kg	6.00		106	86.2-113	0.207	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.2*	*69.9-140*			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011721 - General Prep - Organics										
Blank (2011721-BLK1)				Prepared & Analyzed: 17-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*46.9*		mg/kg	*50.0*		*93.8*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*49.8*		mg/kg	*50.0*		*99.6*	*59.5-142*			
LCS (2011721-BS1)				Prepared & Analyzed: 17-Jan-22						
GRO C6-C10	215	10.0	mg/kg	200		107	81.6-129			
DRO >C10-C28	234	10.0	mg/kg	200		117	83-129			
Total TPH C6-C28	448	10.0	mg/kg	400		112	84.5-127			
Surrogate: 1-Chlorooctane	*53.5*		mg/kg	*50.0*		*107*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*59.8*		mg/kg	*50.0*		*120*	*59.5-142*			
LCS Dup (2011721-BSD1)				Prepared & Analyzed: 17-Jan-22						
GRO C6-C10	212	10.0	mg/kg	200		106	81.6-129	1.27	21.4	
DRO >C10-C28	208	10.0	mg/kg	200		104	83-129	11.6	17.9	
Total TPH C6-C28	420	10.0	mg/kg	400		105	84.5-127	6.52	17.6	
Surrogate: 1-Chlorooctane	*53.4*		mg/kg	*50.0*		*107*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*57.2*		mg/kg	*50.0*		*114*	*59.5-142*			
Batch 2011807 - General Prep - Organics										
Blank (2011807-BLK1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*52.2*		mg/kg	*50.0*		*104*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*51.4*		mg/kg	*50.0*		*103*	*59.5-142*			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011807 - General Prep - Organics										
LCS (2011807-BS1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	202	10.0	mg/kg	200		101	81.6-129			
DRO >C10-C28	204	10.0	mg/kg	200		102	83-129			
Total TPH C6-C28	406	10.0	mg/kg	400		102	84.5-127			
Surrogate: 1-Chlorooctane	*56.0*		mg/kg	*50.0*		*112*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*56.1*		mg/kg	*50.0*		*112*	*59.5-142*			
LCS Dup (2011807-BSD1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	197	10.0	mg/kg	200		98.6	81.6-129	2.54	21.4	
DRO >C10-C28	200	10.0	mg/kg	200		100	83-129	1.95	17.9	
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	84.5-127	2.25	17.6	
Surrogate: 1-Chlorooctane	*57.3*		mg/kg	*50.0*		*115*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*56.2*		mg/kg	*50.0*		*112*	*59.5-142*			
Batch 2011808 - General Prep - Organics										
Blank (2011808-BLK1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*49.3*		mg/kg	*50.0*		*98.6*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*53.1*		mg/kg	*50.0*		*106*	*59.5-142*			
LCS (2011808-BS1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	209	10.0	mg/kg	200		104	81.6-129			
DRO >C10-C28	218	10.0	mg/kg	200		109	83-129			
Total TPH C6-C28	427	10.0	mg/kg	400		107	84.5-127			
Surrogate: 1-Chlorooctane	*55.9*		mg/kg	*50.0*		*112*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*63.0*		mg/kg	*50.0*		*126*	*59.5-142*			

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011808 - General Prep - Organics										
LCS Dup (2011808-BSD1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	210	10.0	mg/kg	200		105	81.6-129	0.500	21.4	
DRO >C10-C28	213	10.0	mg/kg	200		107	83-129	2.20	17.9	
Total TPH C6-C28	423	10.0	mg/kg	400		106	84.5-127	0.869	17.6	
Surrogate: 1-Chlorooctane	*58.0*		mg/kg	*50.0*		*116*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*61.6*		mg/kg	*50.0*		*123*	*59.5-142*			
Batch 2011809 - General Prep - Organics										
Blank (2011809-BLK1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*45.2*		mg/kg	*50.0*		*90.4*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*44.1*		mg/kg	*50.0*		*88.2*	*59.5-142*			
LCS (2011809-BS1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	207	10.0	mg/kg	200		104	81.6-129			
DRO >C10-C28	200	10.0	mg/kg	200		100	83-129			
Total TPH C6-C28	408	10.0	mg/kg	400		102	84.5-127			
Surrogate: 1-Chlorooctane	*53.6*		mg/kg	*50.0*		*107*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*52.5*		mg/kg	*50.0*		*105*	*59.5-142*			
LCS Dup (2011809-BSD1)				Prepared & Analyzed: 18-Jan-22						
GRO C6-C10	194	10.0	mg/kg	200		96.8	81.6-129	6.94	21.4	
DRO >C10-C28	173	10.0	mg/kg	200		86.5	83-129	14.7	17.9	
Total TPH C6-C28	366	10.0	mg/kg	400		91.6	84.5-127	10.7	17.6	
Surrogate: 1-Chlorooctane	*53.1*		mg/kg	*50.0*		*106*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*50.8*		mg/kg	*50.0*		*102*	*59.5-142*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011814 - General Prep - Organics										
Blank (2011814-BLK1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*50.6*		mg/kg	*50.0*		*101*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*55.9*		mg/kg	*50.0*		*112*	*59.5-142*			
LCS (2011814-BS1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	221	10.0	mg/kg	200		111	81.6-129			
DRO >C10-C28	222	10.0	mg/kg	200		111	83-129			
Total TPH C6-C28	443	10.0	mg/kg	400		111	84.5-127			
Surrogate: 1-Chlorooctane	*59.0*		mg/kg	*50.0*		*118*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*72.6*		mg/kg	*50.0*		*145*	*59.5-142*			*S-04*
LCS Dup (2011814-BSD1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	208	10.0	mg/kg	200		104	81.6-129	5.87	21.4	
DRO >C10-C28	211	10.0	mg/kg	200		106	83-129	5.09	17.9	
Total TPH C6-C28	419	10.0	mg/kg	400		105	84.5-127	5.48	17.6	
Surrogate: 1-Chlorooctane	*57.5*		mg/kg	*50.0*		*115*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*67.4*		mg/kg	*50.0*		*135*	*59.5-142*			
Batch 2011815 - General Prep - Organics										
Blank (2011815-BLK1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*47.1*		mg/kg	*50.0*		*94.3*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*46.8*		mg/kg	*50.0*		*93.6*	*59.5-142*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011815 - General Prep - Organics										
LCS (2011815-BS1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	198	10.0	mg/kg	200		98.8	81.6-129			
DRO >C10-C28	202	10.0	mg/kg	200		101	83-129			
Total TPH C6-C28	400	10.0	mg/kg	400		100	84.5-127			
Surrogate: 1-Chlorooctane	*51.2*		mg/kg	*50.0*		*102*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*50.7*		mg/kg	*50.0*		*101*	*59.5-142*			
LCS Dup (2011815-BSD1)				Prepared: 18-Jan-22 Analyzed: 19-Jan-22						
GRO C6-C10	191	10.0	mg/kg	200		95.4	81.6-129	3.45	21.4	
DRO >C10-C28	192	10.0	mg/kg	200		96.1	83-129	5.22	17.9	
Total TPH C6-C28	383	10.0	mg/kg	400		95.8	84.5-127	4.34	17.6	
Surrogate: 1-Chlorooctane	*51.3*		mg/kg	*50.0*		*103*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*49.1*		mg/kg	*50.0*		*98.1*	*59.5-142*			
Batch 2012022 - General Prep - Organics										
Blank (2012022-BLK1)				Prepared: 20-Jan-22 Analyzed: 21-Jan-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.8*		mg/kg	*50.0*		*85.6*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*44.5*		mg/kg	*50.0*		*88.9*	*59.5-142*			
LCS (2012022-BS1)				Prepared: 20-Jan-22 Analyzed: 21-Jan-22						
GRO C6-C10	213	10.0	mg/kg	200		106	81.6-129			
DRO >C10-C28	197	10.0	mg/kg	200		98.4	83-129			
Total TPH C6-C28	410	10.0	mg/kg	400		102	84.5-127			
Surrogate: 1-Chlorooctane	*48.2*		mg/kg	*50.0*		*96.5*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*57.5*		mg/kg	*50.0*		*115*	*59.5-142*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: MLMU #271 Project Number: NONE GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 24-Jan-22 14:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2012022 - General Prep - Organics										
LCS Dup (2012022-BSD1)				Prepared: 20-Jan-22 Analyzed: 21-Jan-22						
GRO C6-C10	205	10.0	mg/kg	200		103	81.6-129	3.62	21.4	
DRO >C10-C28	188	10.0	mg/kg	200		94.1	83-129	4.48	17.9	
Total TPH C6-C28	394	10.0	mg/kg	400		98.4	84.5-127	4.03	17.6	
Surrogate: 1-Chlorooctane	*46.5*		mg/kg	*50.0*		*93.0*	*66.9-136*			
Surrogate: 1-Chlorooctadecane	*56.2*		mg/kg	*50.0*		*112*	*59.5-142*			

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CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name:	BBC International, Inc.
Project Manager:	Cliff Brunson
Address:	P.O. Box 805
City:	Hobbs **State:** NM **Zip:** 88241
Phone #:	575-397-6388 **Fax #:** 575-397-0397
Project #:	**Project Owner:** JR Oil
Project Name:	MLMU #271
Project Location:	NEW MEXICO
Sampler Name:	SIMON

BILL TO

P.O. #:	
Company:	BBC
Attn:	
Address:	
City:	
State:	**Zip:**
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	BTEX	TPH Ext
H220176																	
01	NORTH	G	1			✓					✓		1/6/22	8:45am	✓	✓	✓
02	EAST												1/6/22	8;57am	✓	✓	✓
03	WEST												1/6/22	9:12am	✓	✓	✓
04	SOUTH												1/6/22	9:26am	✓	✓	✓
05	SP 1 @ SURFACE 6"												1/6/22	9:42am	✓	✓	✓
06	SP 1 @ 1'												1/6/22	9:55am	✓	✓	✓
07	SP 1 @ 2'												1/6/22	10:12am	✓	✓	✓
08	SP 1 @ 3'												1/6/22	10:42am	✓	✓	✓
09	SP 1 @ 4'												1/6/22	10:55am	✓	✓	✓
10	SP 1 @ 5'												1/6/22	11:09am	✓	✓	✓

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Relinquished By: Jennifer Gekey	**Date:** 1/17/22 **Time:** 12:00	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1°C / −0.5°C / 5.6°C

Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No

CHECKED BY: (Initials) CM #113

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs	**State:** NM **Zip:** 88241	**Attn:**
Phone #:	575-397-6388	**Fax #:** 575-397-0397	**Address:**
Project #:		**Project Owner:** JR Oil	**City:**
Project Name:	MLMU #271		**State:** **Zip:**
Project Location:	NEW MEXICO		**Phone #:**
Sampler Name:	SIMON		**Fax #:**

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BTEX	TPH Ext									
H220176																										
11	SP 1 @ 6'	G	1			✓					✓		1/6/22	11:20AM	✓	✓	✓									
12	SP 1 @ 7'												1/6/22	11:32AM	✓											
13	SP 1 @ 8'												1/6/22	11:47AM	✓											
14	SP 2 @ SURFACE 8"												1/6/22	12:05PM	✓	✓	✓									
15	SP 2 @ 1'												1/6/22	12:50PM	✓	✓	✓									
16	SP 2 @ 2'												1/6/22	1:07PM	✓	✓	✓									
17	SP 2 @ 3'												1/6/22	1:16PM	✓	✓	✓									
18	SP 2 @ 4'												1/6/22	1:27PM	✓	✓	✓									
19	SP 2 @ 5'												1/6/22	1:42PM	✓	✓	✓									
20	SP 2 @ 6												1/6/22	1:54PM	✓											

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Relinquished By: Jennifer Gallegos	**Date:** 11/7/22 **Time:** 12:00	**Received By:** Celey Keene	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
			REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1°C / 5.6°C -0.5°C

Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No

CHECKED BY: (Initials) Cook #113

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU # 271 - 12-24-21	**State:** **Zip:**	
Project Location:	New Mexico	**Phone #:**	
Sampler Name:	Simon Rendon	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: Chloride	BTEX	TPH Ext
H220174																	
21	SP2 @ 7'	G	1			✓					✓		1/6/22	2:08PM	✓		
22	SP3 @ SURFACE 8"												1/6/22	2:25PM	✓	✓	✓
23	SP3 @ 1'												1/6/22	2:38PM	✓	✓	✓
24	SP3 @ 2'												1/6/22	2:53PM	✓	✓	✓
25	SP3 @ 3'												1/6/22	3:07PM	✓	✓	✓
26	SP3 @ 4'												1/6/22	3:15PM	✓	✓	✓
27	SP3 @ 5'												1/6/22	3:23PM	✓	✓	✓
28	SP3 @ 6'												1/6/22	3:40PM	✓		
29	SP3 @ 7'												1/6/22	3:53PM	✓		
30	SP4 @ SURFACE												1/6/22	8:25AM	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jennifer Gelkey	**Date:** 11/17/22 **Time:** 12:00	**Received By:** Cely Green	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1°C / 5.6°C -0.5°C	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** CK #113	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs	**State:** NM **Zip:** 88241	**Attn:**
Phone #:	575-397-6388	**Fax #:** 575-397-0397	**Address:**
Project #:		**Project Owner:** JR Oil	**City:**
Project Name:	MLMU #271		**State:** **Zip:**
Project Location:	NEW MEXICO		**Phone #:**
Sampler Name:	SIMON		**Fax #:**

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	**DATE**	**TIME**	Chlorides	BTEX	TPH Ext									
H220176																										
31	SP 4 @ 1'	G	1			✓					✓		1/7/22	8:31AM	✓	✓	✓									
32	SP 4 @ 2												1/7/22	8:44AM	✓	✓	✓									
33	SP 4 @ 3'												1/7/22	8:55AM	✓	✓	✓									
34	SP 4 @ 4'												1/7/22	9:12AM	✓	✓	✓									
35	SP 4 @ 5'												1/7/22	9:23AM	✓	✓	✓									
36	SP 4 @ 6'												1/7/22	9:32AM	✓											
37	SP 4 @ 7'												1/7/22	9:44AM	✓											
38	SP 5 @ SURFACE												1/7/22	9:57AM	✓	✓	✓									
39	SP 5 @ 1'												1/7/22	10:10AM	✓	✓	✓									
40	SP 5 @ 2'												1/7/22	10:32AM	✓	✓	✓									

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Relinquished By: Jennifer Gelley	**Date:** 1/17/22 **Time:** 12:00	**Received By:** Cheyenne	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1°C / -0.5°C 5.6°C	**Sample Condition** Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)** CH #113	**REMARKS:**

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU #271	**State:** **Zip:**	
Project Location:	NEW MEXICO	**Phone #:**	
Sampler Name:	SIMON	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: Chloride	BTEX	TPH Ext
H220174																	
41	SP 5 @ 3'	G	1			✓					✓		1/7/22	10:44AM	✓	✓	✓
42	SP 5 @ 4'												1/7/22	10:56AM	✓		
43	SP 5 @ 5'												1/7/22	11:12AM	✓		
44	SP 6 @ SURFACE 8"												1/7/22	11:25AM	✓	✓	✓
45	SP 6 @ 1'												1/7/22	11:39AM	✓	✓	✓
46	SP 6 @ 2'												1/7/22	11:53AM	✓	✓	✓
47	SP 6 @ 3'												1/7/22	12:45PM	✓	✓	✓
48	SP 6 @ 4'												1/7/22	12:57PM	✓	✓	✓
49	SP 6 @ 5'												1/7/22	1:12PM	✓	✓	✓
50	SP 6 @ 6'												1/7/22	1:21PM	✓	✓	✓

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Relinquished By: Jennifer Gicky	**Date:** 1/17/22 **Time:** 12:00	**Received By:** Celey Keene	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1°C / 5.6°C -0.5°C	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** GK #113	

Phone Result:	☐ Yes ☐ No	**Add'l Phone #:**	
Fax Result:	☐ Yes ☐ No	**Add'l Fax #:**	
REMARKS:			

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU # 271 - 12-24-21	**State:** **Zip:**	
Project Location:	New Mexico	**Phone #:**	
Sampler Name:	Simon Rendon	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: Chlorides	BTEX	TPH Ext
H220176																	
51	SP6 @ 7'	G	1			✓					✓		1/7/22	1:30PM	✓	✓	✓
52	SP6 @ 8'												1/7/22	1:44PM	✓		
53	SP6 @ 9'												1/7/22	1:58PM	✓		
54	SP7 @ SURFACE 8"												1/7/22	2:14PM	✓	✓	✓
55	SP7 @ 1'												1/7/22	2.27PM	✓	✓	✓
56	SP7 @ 2'												1/7/22	2:39PM	✓	✓	✓
57	SP7 @ 3'												1/7/22	2:52PM	✓	✓	✓
58	SP7 @ 4'												1/7/22	3:08PM	✓	✓	✓
59	SP7 @ 5'												1/7/22	3:20PM	✓	✓	✓
60	SP7 @ 6'												1/7/22	3:32PM	✓		

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Relinquished By: Jennifer Bilkey	**Date:** 1/17/22 **Time:** 12:00	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	6.1°C / 5.6°C -0.5°C	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** #113

Phone Result:	☐ Yes	☐ No	**Add'l Phone #:**
Fax Result:	☐ Yes	☐ No	**Add'l Fax #:**
REMARKS:			

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CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU # 271 - 12-24-21	**State:** **Zip:**	
Project Location:	New Mexico	**Phone #:**	
Sampler Name:	Simon Rendon	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	BTEX	TPH Ext
H220176																	
61	SP7 @ 7'	G	1			✓					✓		1/7/22	3:48PM	✓		
62	SP8 @ SURFACE												1/10/22	9:25AM	✓	✓	✓
63	SP8 @ 1'												1/10/22	9:37AM	✓	✓	✓
64	SP8 @ 2'												1/10/22	9:51AM	✓	✓	✓
65	SP8 @ 3'												1/10/22	10:04AM	✓	✓	✓
66	SP8 @ 4'												1/10/22	10:16AM	✓	✓	✓
67	SP8 @ 5'												1/10/22	10:25AM	✓	X	X
68	SP8 @ 6'												1/10/22	10:41AM	✓	X	X
69	SP9 @ SURFACE												1/10/22	11:07AM	✓	✓	✓
70	SP9 @ 1'												1/10/22	11:18AM	✓	✓	✓

> added 1/20/22

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Relinquished By: Jennifer Gilkey	**Date:** 11/7/22 **Time:** 12:00	**Received By:** Celey Keene	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	6.1°C / 5.6°C (-0.5°)	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** CK #113

Phone Result:	☐ Yes ☐ No	**Add'l Phone #:**	
Fax Result:	☐ Yes ☐ No	**Add'l Fax #:**	
REMARKS:			

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU # 271 - 12-24-21	**State:** **Zip:**	
Project Location:	New Mexico	**Phone #:**	
Sampler Name:	Simon Rendon	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	BTEX	TPH Ext
H220176																	
71	SP9 @ 2'	G	1			✓					✓		1/10/22	11:33AM	✓	✓	✓
72	SP9 @ 3'	↓	↓			↓					↓		1/10/22	11:45AM	✓	✓	✓
73	SP9 @ 4'												1/10/22	11:57AM	✓	✓	✓
74	SP9 @ 5'												1/10/22	12:48PM	✓	✓	✓
75	SP9 @ 6'												1/10/22	1:04PM	✓	X	X
76	SP9 @ 7'												1/10/22	1:15PM	✓	X	X
77	SP10 @ SURFACE												1/10/22	1:25PM	✓	✓	✓
78	SP10 @ 1'												1/10/22	1:36PM	✓	✓	✓
79	SP10 @ 2'												1/10/22	1:47PM	✓	✓	✓
80	SP10 @ 3'												1/10/22	1:58PM	✓	✓	✓

> added 1/20/22

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jennifer Gilley	**Date:** 1/17/22 **Time:** 12:00	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 6.1 °C / -0.5 °C / 5.6 °C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) #123

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	**P.O. #:**	
Address:	P.O. Box 805	**Company:**	BBC
City:	Hobbs **State:** NM **Zip:** 88241	**Attn:**	
Phone #:	575-397-6388 **Fax #:** 575-397-0397	**Address:**	
Project #:	**Project Owner:** JR Oil	**City:**	
Project Name:	MLMU # 271 - 12-24-21	**State:** **Zip:**	
Project Location:	New Mexico	**Phone #:**	
Sampler Name:	Simon Rendon	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides	BTEX	TPH Ext
H220176																	
21	SP10 @ 4'	G	1			✓					✓		1/10/22	2:10PM	✓		
22	SP10 @ 5'	G	1			✓					✓		1/10/22	2:21PM	✓		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jennifer Gilkey	**Date:** 1/17/22 **Time:** 12:00	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	6.1°C / 5.6°C	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** CM #113

Phone Result:	☐ Yes	☐ No	**Add'l Phone #:**
Fax Result:	☐ Yes	☐ No	**Add'l Fax #:**
REMARKS:			

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JR Oil Com.

ML MU #221

12/29/2021

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12/29/2021


12/29/2021

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12/29/2021


12/29/2021

TETRA TECH

Appendix D

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/17/2022 2:21:55 PM

JOB DESCRIPTION

JR Oil - MLMU 271
SDG NUMBER Lea County NM

JOB NUMBER

890-3420-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 9/21/2023 3:26:25 PM

my EOL

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Laboratory Job ID: 890-3420-1
SDG: Lea County NM

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Lab Chronicle 144
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Method Summary 177
Sample Summary 178
Chain of Custody 180
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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 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
*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
TEF	Toxicity Equivalent Factor (Dioxin)

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Job ID: 890-3420-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3420-1

Receipt
The samples were received on 11/8/2022 4:02 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 18.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-1 (890-3420-1), BH-2 (890-3420-2), BH-3 (890-3420-3), BH-4 (890-3420-4), BH-5 (890-3420-5), BH-6 (890-3420-6), BH-7 (890-3420-7), BH-8 (890-3420-8), BH-9 (890-3420-9), BH-10 (890-3420-10), BH-11 (890-3420-11), BH-12 (890-3420-12), BH-13 (890-3420-13), BH-14 (890-3420-14), BH-15 (890-3420-15), BH-16 (890-3420-16), BH-17 (890-3420-17), BH-18 (890-3420-18), BH-19 (890-3420-19), BH-20 (890-3420-20), BH-21 (890-3420-21), BH-22 (890-3420-22), BH-23 (890-3420-23), BH-24 (890-3420-24), BH-25 (890-3420-25), BH-26 (890-3420-26), BH-27 (890-3420-27), BH-28 (890-3420-28), BH-29 (890-3420-29), BH-30 (890-3420-30), BH-31 (890-3420-31), BH-32 (890-3420-32), BH-33 (890-3420-33), BH-34 (890-3420-34), BH-35 (890-3420-35), BH-36 (890-3420-36), BH-37 (890-3420-37), BH-38 (890-3420-38), BH-39 (890-3420-39), BH-40 (890-3420-40), BH-41 (890-3420-41), BH-42 (890-3420-42), BH-43 (890-3420-43), BH-44 (890-3420-44), BH-45 (890-3420-45), BH-46 (890-3420-46), BH-47 (890-3420-47), BH-48 (890-3420-48), BH-49 (890-3420-49), BH-50 (890-3420-50), BH-51 (890-3420-51), BH-52 (890-3420-52), BH-53 (890-3420-53), BH-54 (890-3420-54), BH-55 (890-3420-55), BH-56 (890-3420-56), BH-57 (890-3420-57), BH-58 (890-3420-58), BH-59 (890-3420-59), BH-60 (890-3420-60), BH-61 (890-3420-61), BH-62 (890-3420-62), BH-63 (890-3420-63), SW-1 (890-3420-64), SW-2 (890-3420-65), SW-3 (890-3420-66), SW-4 (890-3420-67), SW-5 (890-3420-68), SW-6 (890-3420-69), SW-7 (890-3420-70), SW-8 (890-3420-71), SW-9 (890-3420-72), SW-10 (890-3420-73), SW-11 (890-3420-74), SW-12 (890-3420-75), SW-13 (890-3420-76), SW-14 (890-3420-77), SW-15 (890-3420-78), SW-16 (890-3420-79), SW-17 (890-3420-80), SW-18 (890-3420-81), SW-19 (890-3420-82), SW-20 (890-3420-83), SW-21 (890-3420-84), SW-22 (890-3420-85), SW-23 (890-3420-86), SW-24 (890-3420-87), SW-25 (890-3420-88), SW-26 (890-3420-89), SW-27 (890-3420-90), SW-28 (890-3420-91), SW-29 (890-3420-92), SW-30 (890-3420-93), SW-31 (890-3420-94), SW-32 (890-3420-95), SW-33 (890-3420-96), SW-34 (890-3420-97), SW-35 (890-3420-98), SW-36 (890-3420-99), SW-37 (890-3420-100), SW-38 (890-3420-101), SW39 (890-3420-102), SW-40 (890-3420-103), SW-41 (890-3420-104) and SW-42 (890-3420-105).

The following samples were received at the laboratory outside the required temperature criteria: BH-1 (890-3420-1), BH-2 (890-3420-2), BH-3 (890-3420-3), BH-4 (890-3420-4), BH-5 (890-3420-5), BH-6 (890-3420-6), BH-7 (890-3420-7), BH-8 (890-3420-8), BH-9 (890-3420-9), BH-10 (890-3420-10), BH-11 (890-3420-11), BH-12 (890-3420-12), BH-13 (890-3420-13), BH-14 (890-3420-14), BH-15 (890-3420-15), BH-16 (890-3420-16), BH-17 (890-3420-17), BH-18 (890-3420-18), BH-19 (890-3420-19), BH-20 (890-3420-20), BH-21 (890-3420-21), BH-22 (890-3420-22), BH-23 (890-3420-23), BH-24 (890-3420-24), BH-25 (890-3420-25), BH-26 (890-3420-26), BH-27 (890-3420-27), BH-28 (890-3420-28), BH-29 (890-3420-29), BH-30 (890-3420-30), BH-31 (890-3420-31), BH-32 (890-3420-32), BH-33 (890-3420-33), BH-34 (890-3420-34), BH-35 (890-3420-35), BH-36 (890-3420-36), BH-37 (890-3420-37), BH-38 (890-3420-38), BH-39 (890-3420-39), BH-40 (890-3420-40), BH-41 (890-3420-41), BH-42 (890-3420-42), BH-43 (890-3420-43), BH-44 (890-3420-44), BH-45 (890-3420-45), BH-46 (890-3420-46), BH-47 (890-3420-47), BH-48 (890-3420-48), BH-49 (890-3420-49), BH-50 (890-3420-50), BH-51 (890-3420-51), BH-52 (890-3420-52), BH-53 (890-3420-53), BH-54 (890-3420-54), BH-55 (890-3420-55), BH-56 (890-3420-56), BH-57 (890-3420-57), BH-58 (890-3420-58), BH-59 (890-3420-59), BH-60 (890-3420-60), BH-61 (890-3420-61), BH-62 (890-3420-62), BH-63 (890-3420-63), SW-1 (890-3420-64), SW-2 (890-3420-65), SW-3 (890-3420-66), SW-4 (890-3420-67), SW-5 (890-3420-68), SW-6 (890-3420-69), SW-7 (890-3420-70), SW-8 (890-3420-71), SW-9 (890-3420-72), SW-10 (890-3420-73), SW-11 (890-3420-74), SW-12 (890-3420-75), SW-13 (890-3420-76), SW-14 (890-3420-77), SW-15 (890-3420-78), SW-16 (890-3420-79), SW-17 (890-3420-80), SW-18 (890-3420-81), SW-19 (890-3420-82), SW-20 (890-3420-83), SW-21 (890-3420-84), SW-22 (890-3420-85), SW-23 (890-3420-86), SW-24 (890-3420-87), SW-25 (890-3420-88), SW-26 (890-3420-89), SW-27 (890-3420-90), SW-28 (890-3420-91), SW-29 (890-3420-92), SW-30 (890-3420-93), SW-31 (890-3420-94), SW-32 (890-3420-95), SW-33 (890-3420-96), SW-34 (890-3420-97), SW-35 (890-3420-98), SW-36 (890-3420-99), SW-37 (890-3420-100), SW-38 (890-3420-101), SW39 (890-3420-102), SW-40 (890-3420-103), SW-41 (890-3420-104) and SW-42 (890-3420-105). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed withl analysis.

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-39254 and analytical batch 880-39393 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Job ID: 890-3420-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-19 (890-3420-19). 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: (890-3420-A-4-E MSD). 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 880-39517 and analytical batch 880-39576 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39257 and analytical batch 880-39576 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 sample was outside control limits: BH-29 (890-3420-29). 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: BH-37 (890-3420-37). 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 880-39256 and analytical batch 880-39581 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 sample was outside control limits: BH-42 (890-3420-42). 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: BH-48 (890-3420-48). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-39259 and analytical batch 880-39686 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-17 (890-3420-80). 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 880-39246 and analytical batch 880-39273 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39246 and analytical batch 880-39273 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 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-39247 and analytical batch 880-39275 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-39247/3-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

Job ID: 890-3420-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3420-A-21-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-27 (890-3420-27) and BH-31 (890-3420-31). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-39247 and analytical batch 880-39275 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39247 and analytical batch 880-39275 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 sample was outside control limits: BH-61 (890-3420-61). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39262 and analytical batch 880-39366 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-39262/1-A), (880-21411-A-21-D) and (880-21411-A-21-F MSD). 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 880-39289 and analytical batch 880-39518 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39292 and analytical batch 880-39538 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39290 and analytical batch 880-39531 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39293 and analytical batch 880-39540 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 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-1

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:05	20
Toluene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:05	20
Ethylbenzene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:05	20
m-Xylene & p-Xylene	<0.0806	U	0.0806		mg/Kg		11/10/22 14:46	11/15/22 03:05	20
o-Xylene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:05	20
Xylenes, Total	<0.0806	U	0.0806		mg/Kg		11/10/22 14:46	11/15/22 03:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:05*	*20*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:05*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0806	U	0.0806		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**218**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 21:33	1
Diesel Range Organics (Over C10-C28)	**218**	**F1**	50.0		mg/Kg		11/10/22 13:36	11/11/22 21:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*11/10/22 13:36*	*11/11/22 21:33*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/10/22 13:36*	*11/11/22 21:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.2**	**F1**	5.02		mg/Kg			11/14/22 14:02	1

Client Sample ID: BH-2

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-2
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		11/10/22 14:46	11/15/22 01:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 01:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 01:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 14:46	11/15/22 01:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 01:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 14:46	11/15/22 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:46*	*11/15/22 01:43*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 14:46*	*11/15/22 01:43*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-2

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**70.4**		49.8		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 13:36	11/11/22 22:39	1
Diesel Range Organics (Over C10-C28)	**70.4**		49.8		mg/Kg		11/10/22 13:36	11/11/22 22:39	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 13:36	11/11/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/10/22 13:36*	*11/11/22 22:39*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 13:36*	*11/11/22 22:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.3**		5.05		mg/Kg			11/14/22 14:24	1

Client Sample ID: BH-3

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-3

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		11/10/22 14:46	11/15/22 02:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/22 14:46	11/15/22 02:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/22 14:46	11/15/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:03*	*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			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.7**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/11/22 23:01	1
Diesel Range Organics (Over C10-C28)	**62.7**		49.9		mg/Kg		11/10/22 13:36	11/11/22 23:01	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-3

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-3
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/11/22 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:01*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.1**		4.97		mg/Kg			11/14/22 14:31	1

Client Sample ID: BH-4

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		11/10/22 14:46	11/15/22 01:23	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		11/10/22 14:46	11/15/22 01:23	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		11/10/22 14:46	11/15/22 01:23	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		11/10/22 14:46	11/15/22 01:23	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		11/10/22 14:46	11/15/22 01:23	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		11/10/22 14:46	11/15/22 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 14:46*	*11/15/22 01:23*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:46*	*11/15/22 01:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**81.1**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 23:23	1
Diesel Range Organics (Over C10-C28)	**81.1**		50.0		mg/Kg		11/10/22 13:36	11/11/22 23:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:23*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		4.97		mg/Kg			11/14/22 14:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-5

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0396	U	0.0396		mg/Kg		11/10/22 14:46	11/15/22 03:25	20
Toluene	<0.0396	U	0.0396		mg/Kg		11/10/22 14:46	11/15/22 03:25	20
Ethylbenzene	<0.0396	U	0.0396		mg/Kg		11/10/22 14:46	11/15/22 03:25	20
m-Xylene & p-Xylene	<0.0792	U	0.0792		mg/Kg		11/10/22 14:46	11/15/22 03:25	20
o-Xylene	<0.0396	U	0.0396		mg/Kg		11/10/22 14:46	11/15/22 03:25	20
Xylenes, Total	<0.0792	U	0.0792		mg/Kg		11/10/22 14:46	11/15/22 03:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:25*	*20*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:25*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0792	U	0.0792		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**183**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 00:29	1
Diesel Range Organics (Over C10-C28)	**183**		50.0		mg/Kg		11/10/22 13:36	11/12/22 00:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:29*	*1*
o-Terphenyl	*83*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.6**		5.01		mg/Kg			11/14/22 14:45	1

Client Sample ID: BH-6

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:46	20
Toluene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:46	20
Ethylbenzene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:46	20
m-Xylene & p-Xylene	<0.0806	U	0.0806		mg/Kg		11/10/22 14:46	11/15/22 03:46	20
o-Xylene	<0.0403	U	0.0403		mg/Kg		11/10/22 14:46	11/15/22 03:46	20
Xylenes, Total	<0.0806	U	0.0806		mg/Kg		11/10/22 14:46	11/15/22 03:46	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:46*	*20*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 14:46*	*11/15/22 03:46*	*20*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-6

Lab Sample ID: 890-3420-6
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0806	U	0.0806		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3590**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 03:24	1
Diesel Range Organics (Over C10-C28)	**3590**		50.0		mg/Kg		11/10/22 13:36	11/12/22 03:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:24*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.8**		4.99		mg/Kg			11/14/22 15:07	1

Client Sample ID: BH-7

Lab Sample ID: 890-3420-7
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:46	11/15/22 04:06	20
Toluene	<0.0399	U	0.0399		mg/Kg		11/10/22 14:46	11/15/22 04:06	20
Ethylbenzene	<0.0399	U	0.0399		mg/Kg		11/10/22 14:46	11/15/22 04:06	20
m-Xylene & p-Xylene	<0.0798	U	0.0798		mg/Kg		11/10/22 14:46	11/15/22 04:06	20
o-Xylene	<0.0399	U	0.0399		mg/Kg		11/10/22 14:46	11/15/22 04:06	20
Xylenes, Total	<0.0798	U	0.0798		mg/Kg		11/10/22 14:46	11/15/22 04:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 14:46*	*11/15/22 04:06*	*20*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/10/22 14:46*	*11/15/22 04:06*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0798	U	0.0798		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**302**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 00:50	1
Diesel Range Organics (Over C10-C28)	**302**		50.0		mg/Kg		11/10/22 13:36	11/12/22 00:50	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-7

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-7
Matrix: Solid

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		11/10/22 13:36	11/12/22 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.3**		5.00		mg/Kg			11/14/22 15:14	1

Client Sample ID: BH-8

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0397	U	0.0397		mg/Kg		11/10/22 14:46	11/15/22 04:26	20
Toluene	<0.0397	U	0.0397		mg/Kg		11/10/22 14:46	11/15/22 04:26	20
Ethylbenzene	**0.220**		0.0397		mg/Kg		11/10/22 14:46	11/15/22 04:26	20
m-Xylene & p-Xylene	**0.404**		0.0794		mg/Kg		11/10/22 14:46	11/15/22 04:26	20
o-Xylene	**0.293**		0.0397		mg/Kg		11/10/22 14:46	11/15/22 04:26	20
Xylenes, Total	**0.697**		0.0794		mg/Kg		11/10/22 14:46	11/15/22 04:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 14:46*	*11/15/22 04:26*	*20*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/10/22 14:46*	*11/15/22 04:26*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.917**		0.0794		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1820**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**72.3**		50.0		mg/Kg		11/10/22 13:36	11/12/22 04:30	1
Diesel Range Organics (Over C10-C28)	**1750**		50.0		mg/Kg		11/10/22 13:36	11/12/22 04:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:30*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		4.96		mg/Kg			11/14/22 15:21	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-9

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-9

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		11/10/22 14:46	11/15/22 02:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:46	11/15/22 02:24	1
Ethylbenzene	**0.00567**		0.00201		mg/Kg		11/10/22 14:46	11/15/22 02:24	1
m-Xylene & p-Xylene	**0.0180**		0.00402		mg/Kg		11/10/22 14:46	11/15/22 02:24	1
o-Xylene	**0.0197**		0.00201		mg/Kg		11/10/22 14:46	11/15/22 02:24	1
Xylenes, Total	**0.0377**		0.00402		mg/Kg		11/10/22 14:46	11/15/22 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0434**		0.00402		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1810**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 04:52	1
Diesel Range Organics (Over C10-C28)	**1810**		49.9		mg/Kg		11/10/22 13:36	11/12/22 04:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:52*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		5.05		mg/Kg			11/14/22 15:28	1

Client Sample ID: BH-10

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-10

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		11/10/22 14:46	11/15/22 02:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:44	1
Ethylbenzene	**0.0100**		0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:46	11/15/22 02:44	1
o-Xylene	**0.00284**		0.00202		mg/Kg		11/10/22 14:46	11/15/22 02:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:46	11/15/22 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:44*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:46*	*11/15/22 02:44*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-10

Lab Sample ID: 890-3420-10
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0128**		0.00404		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1300**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 01:12	1
Diesel Range Organics (Over C10-C28)	**1300**		49.9		mg/Kg		11/10/22 13:36	11/12/22 01:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/10/22 13:36*	*11/12/22 01:12*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 13:36*	*11/12/22 01:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.8**		5.03		mg/Kg			11/14/22 15:35	1

Client Sample ID: BH-11

Lab Sample ID: 890-3420-11
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:46	11/15/22 07:38	20
Toluene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:38	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:38	20
m-Xylene & p-Xylene	**0.140**		0.0797		mg/Kg		11/10/22 14:46	11/15/22 07:38	20
o-Xylene	**0.0879**		0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:38	20
Xylenes, Total	**0.228**		0.0797		mg/Kg		11/10/22 14:46	11/15/22 07:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:38*	*20*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:38*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.228**		0.0797		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1750**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 05:13	1
Diesel Range Organics (Over C10-C28)	**1750**		49.9		mg/Kg		11/10/22 13:36	11/12/22 05:13	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-11

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-11
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*11/10/22 13:36*	*11/12/22 05:13*	*1*
o-Terphenyl	*89*		*70 - 130*	*11/10/22 13:36*	*11/12/22 05:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.6**		4.99		mg/Kg			11/14/22 15:42	1

Client Sample ID: BH-12

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-12
Matrix: Solid

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		11/10/22 14:46	11/15/22 07:59	20
Toluene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:59	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:59	20
m-Xylene & p-Xylene	<0.0795	U	0.0795		mg/Kg		11/10/22 14:46	11/15/22 07:59	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 07:59	20
Xylenes, Total	<0.0795	U	0.0795		mg/Kg		11/10/22 14:46	11/15/22 07:59	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:59*	*20*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:59*	*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			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3320**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**56.7**		49.9		mg/Kg		11/10/22 13:36	11/12/22 02:18	1
Diesel Range Organics (Over C10-C28)	**3260**		49.9		mg/Kg		11/10/22 13:36	11/12/22 02:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 13:36*	*11/12/22 02:18*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 13:36*	*11/12/22 02:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.1**		4.97		mg/Kg			11/14/22 16:04	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-13

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-13
Matrix: Solid

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		11/10/22 14:46	11/15/22 08:19	20
Toluene	<0.0399	U	0.0399		mg/Kg		11/10/22 14:46	11/15/22 08:19	20
Ethylbenzene	**0.0450**		0.0399		mg/Kg		11/10/22 14:46	11/15/22 08:19	20
m-Xylene & p-Xylene	<0.0798	U	0.0798		mg/Kg		11/10/22 14:46	11/15/22 08:19	20
o-Xylene	**0.0558**		0.0399		mg/Kg		11/10/22 14:46	11/15/22 08:19	20
Xylenes, Total	<0.0798	U	0.0798		mg/Kg		11/10/22 14:46	11/15/22 08:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 14:46*	*11/15/22 08:19*	*20*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/10/22 14:46*	*11/15/22 08:19*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.101**		0.0798		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5090**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**94.3**		50.0		mg/Kg		11/10/22 13:36	11/12/22 02:40	1
Diesel Range Organics (Over C10-C28)	**5000**		50.0		mg/Kg		11/10/22 13:36	11/12/22 02:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/10/22 13:36*	*11/12/22 02:40*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/10/22 13:36*	*11/12/22 02:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**302**		5.05		mg/Kg			11/14/22 16:11	1

Client Sample ID: BH-14

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		11/10/22 14:46	11/15/22 08:40	20
Toluene	**0.118**		0.0402		mg/Kg		11/10/22 14:46	11/15/22 08:40	20
Ethylbenzene	**0.314**		0.0402		mg/Kg		11/10/22 14:46	11/15/22 08:40	20
m-Xylene & p-Xylene	<0.0805	U	0.0805		mg/Kg		11/10/22 14:46	11/15/22 08:40	20
o-Xylene	<0.0402	U	0.0402		mg/Kg		11/10/22 14:46	11/15/22 08:40	20
Xylenes, Total	<0.0805	U	0.0805		mg/Kg		11/10/22 14:46	11/15/22 08:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*11/10/22 14:46*	*11/15/22 08:40*	*20*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/10/22 14:46*	*11/15/22 08:40*	*20*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-14

Lab Sample ID: 890-3420-14
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.432**		0.0805		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3160**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**57.5**		50.0		mg/Kg		11/10/22 13:36	11/12/22 03:46	1
Diesel Range Organics (Over C10-C28)	**3100**		50.0		mg/Kg		11/10/22 13:36	11/12/22 03:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:46*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.6**		5.02		mg/Kg			11/14/22 16:32	1

Client Sample ID: BH-15

Lab Sample ID: 890-3420-15
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:46	11/15/22 09:00	20
Toluene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:00	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:00	20
m-Xylene & p-Xylene	<0.0797	U	0.0797		mg/Kg		11/10/22 14:46	11/15/22 09:00	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:00	20
Xylenes, Total	<0.0797	U	0.0797		mg/Kg		11/10/22 14:46	11/15/22 09:00	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*11/10/22 14:46*	*11/15/22 09:00*	*20*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 14:46*	*11/15/22 09:00*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0797	U	0.0797		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5220**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**110**		49.9		mg/Kg		11/10/22 13:36	11/12/22 04:08	1
Diesel Range Organics (Over C10-C28)	**5110**		49.9		mg/Kg		11/10/22 13:36	11/12/22 04:08	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-15

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-15
Matrix: Solid

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		11/10/22 13:36	11/12/22 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:08*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 13:36*	*11/12/22 04:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**301**		4.97		mg/Kg			11/14/22 16:39	1

Client Sample ID: BH-16

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-16
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		11/10/22 14:46	11/15/22 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 06:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:46	11/15/22 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:46	11/15/22 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:16*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:16*	*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			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.5**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/11/22 23:44	1
Diesel Range Organics (Over C10-C28)	**89.5**		49.9		mg/Kg		11/10/22 13:36	11/11/22 23:44	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/11/22 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:44*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 13:36*	*11/11/22 23:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		4.96		mg/Kg			11/14/22 16:47	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-17

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-17

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		11/10/22 14:46	11/15/22 06:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:46	11/15/22 06:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:46	11/15/22 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:37*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**128**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 00:06	1
Diesel Range Organics (Over C10-C28)	**128**		49.9		mg/Kg		11/10/22 13:36	11/12/22 00:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:06*	*1*
o-Terphenyl	*80*		*70 - 130*	*11/10/22 13:36*	*11/12/22 00:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		4.98		mg/Kg			11/14/22 16:54	1

Client Sample ID: BH-18

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-18

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		11/10/22 14:46	11/15/22 06:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 14:46	11/15/22 06:57	1
o-Xylene	**0.00209**		0.00200		mg/Kg		11/10/22 14:46	11/15/22 06:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 14:46	11/15/22 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:57*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 14:46*	*11/15/22 06:57*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-18

Lab Sample ID: 890-3420-18
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**417**		50.0		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 05:35	1
Diesel Range Organics (Over C10-C28)	**417**		50.0		mg/Kg		11/10/22 13:36	11/12/22 05:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/12/22 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/10/22 13:36*	*11/12/22 05:35*	*1*
o-Terphenyl	*76*		*70 - 130*	*11/10/22 13:36*	*11/12/22 05:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		4.99		mg/Kg			11/14/22 17:01	1

Client Sample ID: BH-19

Lab Sample ID: 890-3420-19
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:46	11/15/22 09:20	20
Toluene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:20	20
Ethylbenzene	**0.0824**		0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:20	20
m-Xylene & p-Xylene	<0.0797	U	0.0797		mg/Kg		11/10/22 14:46	11/15/22 09:20	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		11/10/22 14:46	11/15/22 09:20	20
Xylenes, Total	<0.0797	U	0.0797		mg/Kg		11/10/22 14:46	11/15/22 09:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*11/10/22 14:46*	*11/15/22 09:20*	*20*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 14:46*	*11/15/22 09:20*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0824**		0.0797		mg/Kg			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1470**		49.9		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 03:02	1
Diesel Range Organics (Over C10-C28)	**1470**		49.9		mg/Kg		11/10/22 13:36	11/12/22 03:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-19

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-19
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 13:36	11/12/22 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:02*	*1*
o-Terphenyl	*81*		*70 - 130*	*11/10/22 13:36*	*11/12/22 03:02*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**397**		4.95		mg/Kg			11/14/22 17:08	1

Client Sample ID: BH-20

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-20
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		11/10/22 14:46	11/15/22 07:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 07:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 07:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:46	11/15/22 07:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:46	11/15/22 07:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:46	11/15/22 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:46*	*11/15/22 07:18*	*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			11/15/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1250**		49.8		mg/Kg			11/14/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 13:36	11/12/22 01:34	1
Diesel Range Organics (Over C10-C28)	**1250**		49.8		mg/Kg		11/10/22 13:36	11/12/22 01:34	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 13:36	11/12/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 13:36*	*11/12/22 01:34*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 13:36*	*11/12/22 01:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		5.04		mg/Kg			11/14/22 17:15	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-21

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:31	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:31	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:31	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		11/10/22 14:48	11/16/22 01:31	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:31	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		11/10/22 14:48	11/16/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:31*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:31*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**215**		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 21:33	1
Diesel Range Organics (Over C10-C28)	**215**	***1 F1 F2**	50.0		mg/Kg		11/10/22 13:39	11/11/22 21:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*11/10/22 13:39*	*11/11/22 21:33*	*1*
o-Terphenyl	*81*		*70 - 130*	*11/10/22 13:39*	*11/11/22 21:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.9**	**F1**	5.05		mg/Kg			11/14/22 22:22	1

Client Sample ID: BH-22

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 01:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:52*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:52*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-22

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**474**		49.8		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 13:39	11/12/22 05:13	1
Diesel Range Organics (Over C10-C28)	**413**	***1**	49.8		mg/Kg		11/10/22 13:39	11/12/22 05:13	1
Oil Range Organics (Over C28-C36)	**60.9**		49.8		mg/Kg		11/10/22 13:39	11/12/22 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 13:39*	*11/12/22 05:13*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 13:39*	*11/12/22 05:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2250**		25.0		mg/Kg			11/14/22 22:43	5

Client Sample ID: BH-23

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-23
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		11/10/22 14:48	11/16/22 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 02:12	1
o-Xylene	**0.00475**		0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:12	1
Xylenes, Total	**0.00475**		0.00398		mg/Kg		11/10/22 14:48	11/16/22 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:12*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00475**		0.00398		mg/Kg			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2590**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 02:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-23

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-23
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)	2270	*1	49.9		mg/Kg		11/10/22 13:39	11/12/22 02:18	1
Oil Range Organics (Over C28-C36)	321		49.9		mg/Kg		11/10/22 13:39	11/12/22 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/10/22 13:39*	*11/12/22 02:18*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/10/22 13:39*	*11/12/22 02:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433		4.99		mg/Kg			11/14/22 22:50	1

Client Sample ID: BH-24

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-24
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		11/10/22 14:48	11/16/22 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:33*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:33*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	147		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 22:39	1
Diesel Range Organics (Over C10-C28)	147	*1	50.0		mg/Kg		11/10/22 13:39	11/11/22 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 13:39*	*11/11/22 22:39*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/10/22 13:39*	*11/11/22 22:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		4.95		mg/Kg			11/14/22 22:57	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-25

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-25
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		11/10/22 14:48	11/16/22 02:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 02:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 02:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:48	11/16/22 02:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 02:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:48	11/16/22 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:53*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 14:48*	*11/16/22 02:53*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**283**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:01	1
Diesel Range Organics (Over C10-C28)	**283**	***1**	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:01*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.7**		4.99		mg/Kg			11/14/22 23:05	1

Client Sample ID: BH-26

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-26
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		11/10/22 14:48	11/16/22 03:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 03:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-26

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-26

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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1150**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 03:02	1
Diesel Range Organics (Over C10-C28)	**966**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 03:02	1
Oil Range Organics (Over C28-C36)	**184**		49.9		mg/Kg		11/10/22 13:39	11/12/22 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/10/22 13:39*	*11/12/22 03:02*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/10/22 13:39*	*11/12/22 03:02*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.9**		4.97		mg/Kg			11/14/22 23:26	1

Client Sample ID: BH-27

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-27

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		11/10/22 14:48	11/16/22 03:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 03:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 03:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:34*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**679**		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/12/22 03:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-27

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-27
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)	571	*1	50.0		mg/Kg		11/10/22 13:39	11/12/22 03:24	1
Oil Range Organics (Over C28-C36)	108		50.0		mg/Kg		11/10/22 13:39	11/12/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*11/10/22 13:39*	*11/12/22 03:24*	*1*
o-Terphenyl	*61*	*S1-*	*70 - 130*	*11/10/22 13:39*	*11/12/22 03:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		5.00		mg/Kg			11/14/22 23:33	1

Client Sample ID: BH-28

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 03:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 03:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:55*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 14:48*	*11/16/22 03:55*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1640		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 03:46	1
Diesel Range Organics (Over C10-C28)	1440	*1	49.9		mg/Kg		11/10/22 13:39	11/12/22 03:46	1
Oil Range Organics (Over C28-C36)	202		49.9		mg/Kg		11/10/22 13:39	11/12/22 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 13:39*	*11/12/22 03:46*	*1*
o-Terphenyl	*99*		*70 - 130*	*11/10/22 13:39*	*11/12/22 03:46*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-28

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-28
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		4.99		mg/Kg			11/14/22 23:40	1

Client Sample ID: BH-29

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0201	U	0.0201		mg/Kg		11/10/22 14:48	11/16/22 04:15	10
Toluene	<0.0201	U	0.0201		mg/Kg		11/10/22 14:48	11/16/22 04:15	10
Ethylbenzene	<0.0201	U	0.0201		mg/Kg		11/10/22 14:48	11/16/22 04:15	10
m-Xylene & p-Xylene	<0.0402	U	0.0402		mg/Kg		11/10/22 14:48	11/16/22 04:15	10
o-Xylene	**0.0206**		0.0201		mg/Kg		11/10/22 14:48	11/16/22 04:15	10
Xylenes, Total	<0.0402	U	0.0402		mg/Kg		11/10/22 14:48	11/16/22 04:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/10/22 14:48*	*11/16/22 04:15*	*10*
1,4-Difluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*11/10/22 14:48*	*11/16/22 04:15*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0402	U	0.0402		mg/Kg			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**809**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 01:12	1
Diesel Range Organics (Over C10-C28)	**723**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 01:12	1
Oil Range Organics (Over C28-C36)	**86.1**		49.9		mg/Kg		11/10/22 13:39	11/12/22 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/10/22 13:39*	*11/12/22 01:12*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 13:39*	*11/12/22 01:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**278**		4.98		mg/Kg			11/14/22 23:48	1

Client Sample ID: BH-30

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-30
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		11/10/22 14:48	11/16/22 04:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 04:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 04:36	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-30

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 04:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 04:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 14:48*	*11/16/22 04:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 14:48*	*11/16/22 04:36*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**144**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:23	1
Diesel Range Organics (Over C10-C28)	**144**	***1**	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:23*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		4.95		mg/Kg			11/14/22 23:55	1

Client Sample ID: BH-31

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-31
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		11/10/22 14:48	11/16/22 06:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 06:26	1
Ethylbenzene	**0.00232**		0.00199		mg/Kg		11/10/22 14:48	11/16/22 06:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 06:26	1
o-Xylene	**0.00668**		0.00199		mg/Kg		11/10/22 14:48	11/16/22 06:26	1
Xylenes, Total	**0.00668**		0.00398		mg/Kg		11/10/22 14:48	11/16/22 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/10/22 14:48*	*11/16/22 06:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 14:48*	*11/16/22 06:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00900**		0.00398		mg/Kg			11/16/22 10:59	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-31

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1740**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 02:40	1
Diesel Range Organics (Over C10-C28)	**1520**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 02:40	1
Oil Range Organics (Over C28-C36)	**217**		49.9		mg/Kg		11/10/22 13:39	11/12/22 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*11/10/22 13:39*	*11/12/22 02:40*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*11/10/22 13:39*	*11/12/22 02:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**234**		5.05		mg/Kg			11/15/22 00:02	1

Client Sample ID: BH-32

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-32
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		11/10/22 14:48	11/16/22 06:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 06:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 06:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:48	11/16/22 06:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 06:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:48	11/16/22 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/10/22 14:48*	*11/16/22 06:46*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:48*	*11/16/22 06:46*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**576**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 04:52	1
Diesel Range Organics (Over C10-C28)	**493**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 04:52	1
Oil Range Organics (Over C28-C36)	**82.6**		49.9		mg/Kg		11/10/22 13:39	11/12/22 04:52	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-32

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-32
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*82*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:52*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.7**		4.98		mg/Kg			11/15/22 00:23	1

Client Sample ID: BH-33

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-33
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		11/10/22 14:48	11/16/22 07:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 07:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 07:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:48	11/16/22 07:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:48	11/16/22 07:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:48	11/16/22 07:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:06*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:06*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**486**		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/12/22 05:35	1
Diesel Range Organics (Over C10-C28)	**426**	***1**	50.0		mg/Kg		11/10/22 13:39	11/12/22 05:35	1
Oil Range Organics (Over C28-C36)	**60.3**		50.0		mg/Kg		11/10/22 13:39	11/12/22 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*108*		*70 - 130*	*11/10/22 13:39*	*11/12/22 05:35*	*1*
o-Terphenyl	*114*		*70 - 130*	*11/10/22 13:39*	*11/12/22 05:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.7**		5.00		mg/Kg			11/15/22 00:30	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-34

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-34
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		11/10/22 14:48	11/16/22 07:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:48	11/16/22 07:27	1
Ethylbenzene	**0.00260**		0.00202		mg/Kg		11/10/22 14:48	11/16/22 07:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:48	11/16/22 07:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:48	11/16/22 07:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:48	11/16/22 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:27*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:27*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**437**		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/12/22 01:34	1
Diesel Range Organics (Over C10-C28)	**377**	***1**	50.0		mg/Kg		11/10/22 13:39	11/12/22 01:34	1
Oil Range Organics (Over C28-C36)	**60.1**		50.0		mg/Kg		11/10/22 13:39	11/12/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/10/22 13:39*	*11/12/22 01:34*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/10/22 13:39*	*11/12/22 01:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.8**		4.95		mg/Kg			11/15/22 00:52	1

Client Sample ID: BH-35

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-35
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		11/10/22 14:48	11/16/22 07:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 07:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 07:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 07:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 07:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:47*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 14:48*	*11/16/22 07:47*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-35

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-35
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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1060**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 04:08	1
Diesel Range Organics (Over C10-C28)	**898**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 04:08	1
Oil Range Organics (Over C28-C36)	**160**		49.9		mg/Kg		11/10/22 13:39	11/12/22 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:08*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		5.01		mg/Kg			11/15/22 00:59	1

Client Sample ID: BH-36

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-36
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		11/10/22 14:48	11/16/22 08:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 08:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 14:48*	*11/16/22 08:08*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:48*	*11/16/22 08:08*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**444**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 00:29	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-36

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-36
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)	**378**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 00:29	1
Oil Range Organics (Over C28-C36)	**66.3**		49.9		mg/Kg		11/10/22 13:39	11/12/22 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:29*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		4.98		mg/Kg			11/15/22 01:06	1

Client Sample ID: BH-37

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-37
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		11/10/22 14:48	11/16/22 08:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 08:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:48	11/16/22 08:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:48	11/16/22 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/10/22 14:48*	*11/16/22 08:58*	*1*
1,4-Difluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*11/10/22 14:48*	*11/16/22 08:58*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**77.6**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:44	1
Diesel Range Organics (Over C10-C28)	**77.6**	***1**	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/11/22 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:44*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/10/22 13:39*	*11/11/22 23:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.4**		5.00		mg/Kg			11/15/22 01:13	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-38

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-38
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		11/10/22 14:48	11/16/22 09:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 09:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 09:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 09:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 09:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:48	11/16/22 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/10/22 14:48*	*11/16/22 09:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:48*	*11/16/22 09:19*	*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			11/16/22 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.7**		50.0		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/12/22 00:50	1
Diesel Range Organics (Over C10-C28)	**87.7**	***1**	50.0		mg/Kg		11/10/22 13:39	11/12/22 00:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/12/22 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:50*	*1*
o-Terphenyl	*76*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		5.00		mg/Kg			11/15/22 01:20	1

Client Sample ID: BH-39

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-39
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		11/16/22 10:57	11/17/22 01:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 01:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 01:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/16/22 10:57	11/17/22 01:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 01:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/16/22 10:57	11/17/22 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/16/22 10:57*	*11/17/22 01:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/16/22 10:57*	*11/17/22 01:48*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-39

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-39
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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**107**		49.9		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 00:06	1
Diesel Range Organics (Over C10-C28)	**107**	***1**	49.9		mg/Kg		11/10/22 13:39	11/12/22 00:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 13:39	11/12/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:06*	*1*
o-Terphenyl	*85*		*70 - 130*	*11/10/22 13:39*	*11/12/22 00:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		4.96		mg/Kg			11/15/22 01:27	1

Client Sample ID: BH-40

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-40
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		11/16/22 10:57	11/17/22 02:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 02:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 02:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/16/22 10:57	11/17/22 02:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 02:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/16/22 10:57	11/17/22 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/16/22 10:57*	*11/17/22 02:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/16/22 10:57*	*11/17/22 02:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1020**		49.8		mg/Kg			11/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 13:39	11/12/22 04:30	1
Diesel Range Organics (Over C10-C28)	**909**	***1**	49.8		mg/Kg		11/10/22 13:39	11/12/22 04:30	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-40

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-40
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**114**		49.8		mg/Kg		11/10/22 13:39	11/12/22 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:30*	*1*
o-Terphenyl	*73*		*70 - 130*	*11/10/22 13:39*	*11/12/22 04:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		5.01		mg/Kg			11/15/22 01:35	1

Client Sample ID: BH-41

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201		mg/Kg		11/10/22 14:50	11/15/22 23:55	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		11/10/22 14:50	11/15/22 23:55	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		11/10/22 14:50	11/15/22 23:55	1
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.00402		mg/Kg		11/10/22 14:50	11/15/22 23:55	1
o-Xylene	<0.00201	U F1 F2	0.00201		mg/Kg		11/10/22 14:50	11/15/22 23:55	1
Xylenes, Total	<0.00402	U F1 F2	0.00402		mg/Kg		11/10/22 14:50	11/15/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 14:50*	*11/15/22 23:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 14:50*	*11/15/22 23:55*	*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			11/16/22 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	**391**		50.0		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 21:53	1
Diesel Range Organics (Over C10-C28)	**227**		50.0		mg/Kg		11/10/22 14:44	11/11/22 21:53	1
Oil Range Organics (Over C28-C36)	**164**		50.0		mg/Kg		11/10/22 14:44	11/11/22 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 14:44*	*11/11/22 21:53*	*1*
o-Terphenyl	*89*		*70 - 130*	*11/10/22 14:44*	*11/11/22 21:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**	**F1**	5.00		mg/Kg			11/15/22 02:32	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-42

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-42

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		11/10/22 14:50	11/16/22 00:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 00:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 00:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:50	11/16/22 00:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 00:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:50	11/16/22 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*11/10/22 14:50*	*11/16/22 00:16*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*11/10/22 14:50*	*11/16/22 00:16*	*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			11/16/22 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	**1720**		49.8		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 14:44	11/12/22 03:50	1
Diesel Range Organics (Over C10-C28)	**752**		49.8		mg/Kg		11/10/22 14:44	11/12/22 03:50	1
Oil Range Organics (Over C28-C36)	**967**		49.8		mg/Kg		11/10/22 14:44	11/12/22 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:50*	*1*
o-Terphenyl	*99*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		4.99		mg/Kg			11/15/22 02:53	1

Client Sample ID: BH-43

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-43

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		11/10/22 14:50	11/16/22 00:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 00:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 00:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 00:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 00:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:50*	*11/16/22 00:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 14:50*	*11/16/22 00:37*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-43

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-43
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			11/16/22 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	**3270**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 02:27	1
Diesel Range Organics (Over C10-C28)	**1480**		49.9		mg/Kg		11/10/22 14:44	11/12/22 02:27	1
Oil Range Organics (Over C28-C36)	**1790**		49.9		mg/Kg		11/10/22 14:44	11/12/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/10/22 14:44*	*11/12/22 02:27*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 14:44*	*11/12/22 02:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		4.95		mg/Kg			11/15/22 03:00	1

Client Sample ID: BH-44

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-44
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		11/10/22 14:50	11/16/22 00:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 00:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 00:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 00:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 00:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:50*	*11/16/22 00:57*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/10/22 14:50*	*11/16/22 00:57*	*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			11/16/22 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	**425**		50.0		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/12/22 01:23	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-44

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-44
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)	182		50.0		mg/Kg		11/10/22 14:44	11/12/22 01:23	1
Oil Range Organics (Over C28-C36)	243		50.0		mg/Kg		11/10/22 14:44	11/12/22 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:23*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.93		0.0501		mg/Kg			11/15/22 03:07	1

Client Sample ID: BH-45

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-45
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		11/10/22 14:50	11/16/22 01:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 01:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 01:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 01:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 01:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/10/22 14:50*	*11/16/22 01:18*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:50*	*11/16/22 01:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/22 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 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/10/22 14:44*	*11/11/22 22:56*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/10/22 14:44*	*11/11/22 22:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		4.98		mg/Kg			11/15/22 03:14	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-46

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-46
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		11/10/22 14:50	11/16/22 01:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 01:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 01:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 01:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 01:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:50*	*11/16/22 01:39*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:50*	*11/16/22 01:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 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 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 23:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 23:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:17*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		4.97		mg/Kg			11/15/22 03:36	1

Client Sample ID: BH-47

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-47
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		11/10/22 14:50	11/16/22 02:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 02:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:50*	*11/16/22 02:00*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:50*	*11/16/22 02:00*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-47

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-47
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 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	**614**		50.0		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/12/22 01:45	1
Diesel Range Organics (Over C10-C28)	**273**		50.0		mg/Kg		11/10/22 14:44	11/12/22 01:45	1
Oil Range Organics (Over C28-C36)	**341**		50.0		mg/Kg		11/10/22 14:44	11/12/22 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:45*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.9**		4.96		mg/Kg			11/15/22 03:43	1

Client Sample ID: BH-48

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-48
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		11/10/22 14:50	11/16/22 02:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 02:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 02:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:50	11/16/22 02:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 02:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:50	11/16/22 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*11/10/22 14:50*	*11/16/22 02:21*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/10/22 14:50*	*11/16/22 02:21*	*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			11/16/22 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	**1160**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 03:30	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-48

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-48
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)	445		49.9		mg/Kg		11/10/22 14:44	11/12/22 03:30	1
Oil Range Organics (Over C28-C36)	713		49.9		mg/Kg		11/10/22 14:44	11/12/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:30*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.3		5.00		mg/Kg			11/15/22 03:50	1

Client Sample ID: BH-49

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-49
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		11/10/22 14:50	11/16/22 02:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 02:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 02:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:50*	*11/16/22 02:41*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/10/22 14:50*	*11/16/22 02:41*	*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			11/16/22 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	545		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 01:02	1
Diesel Range Organics (Over C10-C28)	283		49.9		mg/Kg		11/10/22 14:44	11/12/22 01:02	1
Oil Range Organics (Over C28-C36)	262		49.9		mg/Kg		11/10/22 14:44	11/12/22 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:02*	*1*
o-Terphenyl	*82*		*70 - 130*	*11/10/22 14:44*	*11/12/22 01:02*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-49

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-49

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.9**		4.99		mg/Kg			11/15/22 03:57	1

Client Sample ID: BH-50

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-50

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		11/10/22 14:50	11/16/22 03:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 03:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 03:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 03:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 03:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/10/22 14:50*	*11/16/22 03:02*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:50*	*11/16/22 03:02*	*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			11/16/22 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	**2200**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 05:35	1
Diesel Range Organics (Over C10-C28)	**1260**		49.9		mg/Kg		11/10/22 14:44	11/12/22 05:35	1
Oil Range Organics (Over C28-C36)	**937**		49.9		mg/Kg		11/10/22 14:44	11/12/22 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/10/22 14:44*	*11/12/22 05:35*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/10/22 14:44*	*11/12/22 05:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.95		mg/Kg			11/15/22 04:04	1

Client Sample ID: BH-51

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-51

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		11/10/22 14:50	11/16/22 04:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 04:27	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-51

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 04:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/10/22 14:50*	*11/16/22 04:27*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 14:50*	*11/16/22 04:27*	*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			11/16/22 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	**1960**		50.0		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/12/22 05:14	1
Diesel Range Organics (Over C10-C28)	**1080**		50.0		mg/Kg		11/10/22 14:44	11/12/22 05:14	1
Oil Range Organics (Over C28-C36)	**877**		50.0		mg/Kg		11/10/22 14:44	11/12/22 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 14:44*	*11/12/22 05:14*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/10/22 14:44*	*11/12/22 05:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.97		mg/Kg			11/15/22 04:11	1

Client Sample ID: BH-52

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-52
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		11/10/22 14:50	11/16/22 04:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 04:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 04:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:50	11/16/22 04:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:50	11/16/22 04:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:50	11/16/22 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 14:50*	*11/16/22 04:48*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/10/22 14:50*	*11/16/22 04:48*	*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			11/16/22 11:06	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-52

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-52
Matrix: Solid

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			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 23:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 23:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:38*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.8**		5.00		mg/Kg			11/15/22 04:33	1

Client Sample ID: BH-53

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-53
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		11/10/22 14:50	11/16/22 05:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 05:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 05:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:50	11/16/22 05:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 05:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:50	11/16/22 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:09*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:09*	*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			11/16/22 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	**2060**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 04:54	1
Diesel Range Organics (Over C10-C28)	**1040**		49.9		mg/Kg		11/10/22 14:44	11/12/22 04:54	1
Oil Range Organics (Over C28-C36)	**1020**		49.9		mg/Kg		11/10/22 14:44	11/12/22 04:54	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-53

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-53
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*99*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:54*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.0**		4.99		mg/Kg			11/15/22 04:40	1

Client Sample ID: BH-54

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-54
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		11/10/22 14:50	11/16/22 05:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 05:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 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	**2710**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 02:48	1
Diesel Range Organics (Over C10-C28)	**1410**		49.9		mg/Kg		11/10/22 14:44	11/12/22 02:48	1
Oil Range Organics (Over C28-C36)	**1300**		49.9		mg/Kg		11/10/22 14:44	11/12/22 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 14:44*	*11/12/22 02:48*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 14:44*	*11/12/22 02:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		5.01		mg/Kg			11/15/22 05:01	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-55

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-55
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		11/10/22 14:50	11/16/22 05:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 05:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 05:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:50*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:50*	*11/16/22 05:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 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	**2230**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 04:33	1
Diesel Range Organics (Over C10-C28)	**1150**		49.9		mg/Kg		11/10/22 14:44	11/12/22 04:33	1
Oil Range Organics (Over C28-C36)	**1080**		49.9		mg/Kg		11/10/22 14:44	11/12/22 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:33*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		4.98		mg/Kg			11/15/22 05:09	1

Client Sample ID: BH-56

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-56
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		11/10/22 14:50	11/16/22 06:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 06:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:50	11/16/22 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:11*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:11*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-56

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-56
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			11/16/22 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	**2590**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 03:09	1
Diesel Range Organics (Over C10-C28)	**1330**		49.9		mg/Kg		11/10/22 14:44	11/12/22 03:09	1
Oil Range Organics (Over C28-C36)	**1260**		49.9		mg/Kg		11/10/22 14:44	11/12/22 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:09*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 14:44*	*11/12/22 03:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		4.99		mg/Kg			11/15/22 05:16	1

Client Sample ID: BH-57

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-57
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		11/10/22 14:50	11/16/22 06:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 14:50	11/16/22 06:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/16/22 06:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 14:50	11/16/22 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:32*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:32*	*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			11/16/22 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 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 23:59	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-57

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-57
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		11/10/22 14:44	11/11/22 23:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/11/22 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:59*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/10/22 14:44*	*11/11/22 23:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.96		mg/Kg			11/15/22 05:23	1

Client Sample ID: BH-58

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-58
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		11/10/22 14:50	11/16/22 06:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 06:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 06:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/22 14:50	11/16/22 06:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:50	11/16/22 06:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/22 14:50	11/16/22 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:52*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:50*	*11/16/22 06:52*	*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			11/16/22 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	**1480**		50.0		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/12/22 04:12	1
Diesel Range Organics (Over C10-C28)	**733**		50.0		mg/Kg		11/10/22 14:44	11/12/22 04:12	1
OII Range Organics (Over C28-C36)	**748**		50.0		mg/Kg		11/10/22 14:44	11/12/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 14:44*	*11/12/22 04:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.9**		5.00		mg/Kg			11/15/22 05:30	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-59

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-59

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		11/10/22 14:50	11/16/22 07:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 07:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 14:50*	*11/16/22 07:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:50*	*11/16/22 07:13*	*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			11/16/22 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	**309**		49.9		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:44	11/12/22 00:20	1
Diesel Range Organics (Over C10-C28)	**144**		49.9		mg/Kg		11/10/22 14:44	11/12/22 00:20	1
Oil Range Organics (Over C28-C36)	**165**		49.9		mg/Kg		11/10/22 14:44	11/12/22 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*11/10/22 14:44*	*11/12/22 00:20*	*1*
o-Terphenyl	*80*		*70 - 130*	*11/10/22 14:44*	*11/12/22 00:20*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.8**		5.05		mg/Kg			11/15/22 05:37	1

Client Sample ID: BH-60

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-60

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		11/10/22 14:50	11/16/22 07:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 07:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:50	11/16/22 07:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:50	11/16/22 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 14:50*	*11/16/22 07:34*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 14:50*	*11/16/22 07:34*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-60

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-60
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			11/16/22 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	**227**		49.8		mg/Kg			11/14/22 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 14:44	11/12/22 00:41	1
Diesel Range Organics (Over C10-C28)	**111**		49.8		mg/Kg		11/10/22 14:44	11/12/22 00:41	1
Oil Range Organics (Over C28-C36)	**116**		49.8		mg/Kg		11/10/22 14:44	11/12/22 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*11/10/22 14:44*	*11/12/22 00:41*	*1*
o-Terphenyl	*74*		*70 - 130*	*11/10/22 14:44*	*11/12/22 00:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.5**		4.99		mg/Kg			11/15/22 05:44	1

Client Sample ID: BH-61

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-61
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		11/10/22 14:52	11/16/22 11:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 11:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 11:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/22 14:52	11/16/22 11:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 11:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/22 14:52	11/16/22 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 14:52*	*11/16/22 11:42*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:52*	*11/16/22 11:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**776**		50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 05:07	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-61

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-61
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)	**776**		50.0		mg/Kg		11/10/22 14:46	11/13/22 05:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*11/10/22 14:46*	*11/13/22 05:07*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/10/22 14:46*	*11/13/22 05:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.6**		4.97		mg/Kg			11/15/22 09:25	1

Client Sample ID: BH-62

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-62
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		11/10/22 14:52	11/16/22 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:03*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:03*	*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			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 14:46	11/12/22 21:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 14:46	11/12/22 21:09	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 14:46	11/12/22 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 14:46*	*11/12/22 21:09*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/10/22 14:46*	*11/12/22 21:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		4.96		mg/Kg			11/15/22 09:46	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-63

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-63
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		11/10/22 14:52	11/16/22 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 12:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 12:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:23*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 22:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 22:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*11/10/22 14:46*	*11/12/22 22:15*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/10/22 14:46*	*11/12/22 22:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		5.00		mg/Kg			11/15/22 09:54	1

Client Sample ID: SW-1

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-64
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		11/10/22 14:52	11/16/22 12:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:52	11/16/22 12:44	1
Ethylbenzene	**0.00292**		0.00201		mg/Kg		11/10/22 14:52	11/16/22 12:44	1
m-Xylene & p-Xylene	**0.00870**		0.00402		mg/Kg		11/10/22 14:52	11/16/22 12:44	1
o-Xylene	**0.00353**		0.00201		mg/Kg		11/10/22 14:52	11/16/22 12:44	1
Xylenes, Total	**0.0122**		0.00402		mg/Kg		11/10/22 14:52	11/16/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:44*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 14:52*	*11/16/22 12:44*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-1

Lab Sample ID: 890-3420-64
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0152**		0.00402		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 22:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 22:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*11/10/22 14:46*	*11/12/22 22:37*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/10/22 14:46*	*11/12/22 22:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.3**		5.03		mg/Kg			11/15/22 10:01	1

Client Sample ID: SW-2

Lab Sample ID: 890-3420-65
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:52	11/16/22 13:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:04	1
Ethylbenzene	**0.00297**		0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:04	1
m-Xylene & p-Xylene	**0.00738**		0.00398		mg/Kg		11/10/22 14:52	11/16/22 13:04	1
o-Xylene	**0.00334**		0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:04	1
Xylenes, Total	**0.0107**		0.00398		mg/Kg		11/10/22 14:52	11/16/22 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0137**		0.00398		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-2

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-65
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:00*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.3**		5.05		mg/Kg			11/15/22 10:08	1

Client Sample ID: SW-3

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-66
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		11/10/22 14:52	11/16/22 13:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 13:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 13:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:25*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/12/22 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		5.02		mg/Kg			11/15/22 10:29	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-4

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-67
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		11/10/22 14:52	11/16/22 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 13:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:45*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 14:52*	*11/16/22 13:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**86.0**		50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 23:43	1
Diesel Range Organics (Over C10-C28)	**86.0**		50.0		mg/Kg		11/10/22 14:46	11/12/22 23:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:43*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 14:46*	*11/12/22 23:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		4.98		mg/Kg			11/15/22 10:36	1

Client Sample ID: SW-5

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-68
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		11/10/22 14:52	11/16/22 14:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 14:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 14:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:52	11/16/22 14:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 14:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:52	11/16/22 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:06*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:06*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-5

Lab Sample ID: 890-3420-68
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3040**		49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**53.2**		49.9		mg/Kg		11/10/22 14:46	11/13/22 03:40	1
Diesel Range Organics (Over C10-C28)	**2990**		49.9		mg/Kg		11/10/22 14:46	11/13/22 03:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/10/22 14:46*	*11/13/22 03:40*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/10/22 14:46*	*11/13/22 03:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		4.97		mg/Kg			11/15/22 10:43	1

Client Sample ID: SW-6

Lab Sample ID: 890-3420-69
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 14:52	11/16/22 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:26*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1790**		49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 04:45	1
Diesel Range Organics (Over C10-C28)	**1790**		49.9		mg/Kg		11/10/22 14:46	11/13/22 04:45	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-6

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-69
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:45*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**		5.01		mg/Kg			11/15/22 10:51	1

Client Sample ID: SW-7

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-70
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		11/10/22 14:52	11/16/22 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:47*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:52*	*11/16/22 14:47*	*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			11/16/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3640**		49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 03:19	1
Diesel Range Organics (Over C10-C28)	**3640**		49.9		mg/Kg		11/10/22 14:46	11/13/22 03:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/10/22 14:46*	*11/13/22 03:19*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/10/22 14:46*	*11/13/22 03:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**457**		4.98		mg/Kg			11/15/22 10:58	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-8

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-71
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		11/10/22 14:52	11/16/22 17:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:52	11/16/22 17:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:52	11/16/22 17:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:52	11/16/22 17:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:52	11/16/22 17:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:52	11/16/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:10*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:05*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.4**	**F1**	5.03		mg/Kg			11/15/22 11:05	1

Client Sample ID: SW-9

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-72
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		11/10/22 14:52	11/16/22 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 17:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 17:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:31*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-9

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-72
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			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:27*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		5.02		mg/Kg			11/15/22 11:26	1

Client Sample ID: SW-10

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-73
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		11/10/22 14:52	11/16/22 17:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 17:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 17:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 17:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:51*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 14:52*	*11/16/22 17:51*	*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			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 00:48	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-10

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-73
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/10/22 14:46*	*11/13/22 00:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		5.04		mg/Kg			11/15/22 11:33	1

Client Sample ID: SW-11

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-74
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		11/10/22 14:52	11/16/22 18:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 18:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:52	11/16/22 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:11*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 14:46*	*11/13/22 01:10*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/10/22 14:46*	*11/13/22 01:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.8**		4.97		mg/Kg			11/15/22 11:55	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-12

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-75
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		11/10/22 14:52	11/16/22 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:32*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:32*	*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			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/10/22 14:46*	*11/13/22 01:53*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/10/22 14:46*	*11/13/22 01:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		5.05		mg/Kg			11/15/22 12:02	1

Client Sample ID: SW-13

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-76
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		11/10/22 14:52	11/16/22 18:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 14:52	11/16/22 18:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 18:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 14:52	11/16/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:52*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*11/10/22 14:52*	*11/16/22 18:52*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-13

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-76
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			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:14*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.1**		5.04		mg/Kg			11/15/22 12:09	1

Client Sample ID: SW-14

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-77
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		11/10/22 14:52	11/16/22 19:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/22 14:52	11/16/22 19:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/22 14:52	11/16/22 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:13*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:36	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-14

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-77
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:36*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		4.99		mg/Kg			11/15/22 12:16	1

Client Sample ID: SW-15

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-78
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		11/10/22 14:52	11/16/22 19:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:52	11/16/22 19:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:52	11/16/22 19:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:52	11/16/22 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:33*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:33*	*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			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2330**		50.0		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 04:23	1
Diesel Range Organics (Over C10-C28)	**2330**		50.0		mg/Kg		11/10/22 14:46	11/13/22 04:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/13/22 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:23*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		5.00		mg/Kg			11/15/22 12:23	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-16

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-79
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		11/10/22 14:52	11/16/22 19:54	1
Toluene	**0.00248**		0.00199		mg/Kg		11/10/22 14:52	11/16/22 19:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 19:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 19:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 14:52*	*11/16/22 19:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 14:46	11/13/22 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:57*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/10/22 14:46*	*11/13/22 02:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.8**		4.97		mg/Kg			11/15/22 12:30	1

Client Sample ID: SW-17

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-80
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		11/10/22 14:52	11/16/22 20:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 20:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:52	11/16/22 20:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:52	11/16/22 20:14	1
o-Xylene	**0.0103**		0.00199		mg/Kg		11/10/22 14:52	11/16/22 20:14	1
Xylenes, Total	**0.0103**		0.00398		mg/Kg		11/10/22 14:52	11/16/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*11/10/22 14:52*	*11/16/22 20:14*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*11/10/22 14:52*	*11/16/22 20:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-17

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-80
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0103**		0.00398		mg/Kg			11/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2310**		49.8		mg/Kg			11/14/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 14:46	11/13/22 04:02	1
Diesel Range Organics (Over C10-C28)	**2310**		49.8		mg/Kg		11/10/22 14:46	11/13/22 04:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 14:46	11/13/22 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:02*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/10/22 14:46*	*11/13/22 04:02*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.0**		4.96		mg/Kg			11/15/22 12:38	1

Client Sample ID: SW-18

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-81
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		11/10/22 15:16	11/16/22 13:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 15:16	11/16/22 13:53	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 15:16	11/16/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 15:16*	*11/16/22 13:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 15:16*	*11/16/22 13:53*	*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			11/16/22 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 21:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 21:07	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-18

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-81
Matrix: Solid

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		11/10/22 15:44	11/12/22 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 15:44*	*11/12/22 21:07*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/10/22 15:44*	*11/12/22 21:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.8**		5.05		mg/Kg			11/15/22 04:13	1

Client Sample ID: SW-19

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-82
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		11/10/22 15:16	11/16/22 14:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 14:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 14:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 14:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 14:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:14*	*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			11/16/22 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 15:44	11/12/22 22:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 15:44	11/12/22 22:10	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 15:44	11/12/22 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:10*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.7**		4.96		mg/Kg			11/15/22 04:28	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-20

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-83
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		11/10/22 15:16	11/16/22 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 14:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 14:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:34*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:34*	*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			11/16/22 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 22:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/12/22 22:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/12/22 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:32*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.8**		4.99		mg/Kg			11/15/22 04:33	1

Client Sample ID: SW-21

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-84
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		11/10/22 15:16	11/16/22 14:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 14:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 14:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 14:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 14:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 15:16*	*11/16/22 14:54*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-21

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-84
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			11/16/22 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1300**		50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 02:58	1
Diesel Range Organics (Over C10-C28)	**663**		50.0		mg/Kg		11/10/22 15:44	11/13/22 02:58	1
Oil Range Organics (Over C28-C36)	**635**		50.0		mg/Kg		11/10/22 15:44	11/13/22 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 15:44*	*11/13/22 02:58*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 15:44*	*11/13/22 02:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.9**		5.01		mg/Kg			11/15/22 04:38	1

Client Sample ID: SW-22

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-85
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		11/10/22 15:16	11/16/22 15:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 15:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:15*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:15*	*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			11/16/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**904**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 03:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-22

Lab Sample ID: 890-3420-85
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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)	**465**		49.9		mg/Kg		11/10/22 15:44	11/13/22 03:18	1
Oil Range Organics (Over C28-C36)	**439**		49.9		mg/Kg		11/10/22 15:44	11/13/22 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:18*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.6**		5.04		mg/Kg			11/15/22 04:43	1

Client Sample ID: SW-23

Lab Sample ID: 890-3420-86
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/10/22 15:16	11/16/22 15:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 15:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 15:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 15:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 15:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:35*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:35*	*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			11/16/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**510**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 03:39	1
Diesel Range Organics (Over C10-C28)	**236**		49.9		mg/Kg		11/10/22 15:44	11/13/22 03:39	1
Oil Range Organics (Over C28-C36)	**274**		49.9		mg/Kg		11/10/22 15:44	11/13/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:39*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:39*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-23
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-86
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.8**		4.96		mg/Kg			11/15/22 04:58	1

Client Sample ID: SW-24
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-87
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		11/10/22 15:16	11/16/22 15:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 15:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 15:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:56*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 15:16*	*11/16/22 15:56*	*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			11/16/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**542**		50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 03:59	1
Diesel Range Organics (Over C10-C28)	**275**		50.0		mg/Kg		11/10/22 15:44	11/13/22 03:59	1
Oil Range Organics (Over C28-C36)	**267**		50.0		mg/Kg		11/10/22 15:44	11/13/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:59*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/10/22 15:44*	*11/13/22 03:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.96		mg/Kg			11/15/22 05:03	1

Client Sample ID: SW-25
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-88
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		11/10/22 15:16	11/16/22 16:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:16	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-25

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-88
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 16:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:16*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.8**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 22:53	1
Diesel Range Organics (Over C10-C28)	**62.8**		49.9		mg/Kg		11/10/22 15:44	11/12/22 22:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/12/22 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:53*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/10/22 15:44*	*11/12/22 22:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**431**		5.00		mg/Kg			11/15/22 05:08	1

Client Sample ID: SW-26

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-89
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		11/10/22 15:16	11/16/22 16:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 16:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 16:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/17/22 14:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-26

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-89
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**356**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 04:19	1
Diesel Range Organics (Over C10-C28)	**166**		49.9		mg/Kg		11/10/22 15:44	11/13/22 04:19	1
Oil Range Organics (Over C28-C36)	**190**		49.9		mg/Kg		11/10/22 15:44	11/13/22 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/10/22 15:44*	*11/13/22 04:19*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/10/22 15:44*	*11/13/22 04:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		4.97		mg/Kg			11/15/22 05:13	1

Client Sample ID: SW-27

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-90
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		11/10/22 15:16	11/16/22 16:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 16:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 16:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:57*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 15:16*	*11/16/22 16:57*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1540**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 02:38	1
Diesel Range Organics (Over C10-C28)	**688**		49.9		mg/Kg		11/10/22 15:44	11/13/22 02:38	1
Oil Range Organics (Over C28-C36)	**851**		49.9		mg/Kg		11/10/22 15:44	11/13/22 02:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-27

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-90
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	11/10/22 15:44	11/13/22 02:38	1
o-Terphenyl	92		70 - 130	11/10/22 15:44	11/13/22 02:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.03		mg/Kg			11/15/22 05:17	1

Client Sample ID: SW-28

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-91
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		11/10/22 15:16	11/16/22 18:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 18:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 18:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 18:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 18:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/10/22 15:16	11/16/22 18:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/10/22 15:16	11/16/22 18:47	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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 23:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 23:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/10/22 15:44	11/12/22 23:14	1
o-Terphenyl	85		70 - 130	11/10/22 15:44	11/12/22 23:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		5.01		mg/Kg			11/15/22 05:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-29

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-92
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		11/10/22 15:16	11/16/22 19:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 19:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 19:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 19:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 19:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 15:16	11/16/22 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:07*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:07*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 23:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 23:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/10/22 15:44*	*11/12/22 23:35*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 15:44*	*11/12/22 23:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.3**		4.99		mg/Kg			11/15/22 05:37	1

Client Sample ID: SW-30

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-93
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		11/10/22 15:16	11/16/22 19:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 19:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:27*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:27*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-30

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-93
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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/12/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/12/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/12/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 15:44*	*11/12/22 23:55*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/10/22 15:44*	*11/12/22 23:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.2**		4.95		mg/Kg			11/15/22 05:42	1

Client Sample ID: SW-31

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-94
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		11/10/22 15:16	11/16/22 19:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 19:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 19:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:48*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 15:16*	*11/16/22 19:48*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/13/22 00:16	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-31

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-94
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/13/22 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:16*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.5**		5.03		mg/Kg			11/15/22 05:57	1

Client Sample ID: SW-32

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-95
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		11/10/22 15:16	11/16/22 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 20:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 15:16	11/16/22 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 20:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 15:16	11/16/22 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:08*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:08*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2040**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 01:57	1
Diesel Range Organics (Over C10-C28)	**971**		49.9		mg/Kg		11/10/22 15:44	11/13/22 01:57	1
OII Range Organics (Over C28-C36)	**1070**		49.9		mg/Kg		11/10/22 15:44	11/13/22 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/10/22 15:44*	*11/13/22 01:57*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/10/22 15:44*	*11/13/22 01:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.9**		5.02		mg/Kg			11/15/22 06:02	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-33

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-96
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		11/10/22 15:16	11/16/22 20:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 15:16	11/16/22 20:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 15:16	11/16/22 20:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 15:16	11/16/22 20:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 15:16	11/16/22 20:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 15:16	11/16/22 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:29*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:29*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2610**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 02:17	1
Diesel Range Organics (Over C10-C28)	**1180**		49.9		mg/Kg		11/10/22 15:44	11/13/22 02:17	1
Oil Range Organics (Over C28-C36)	**1430**		49.9		mg/Kg		11/10/22 15:44	11/13/22 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 15:44*	*11/13/22 02:17*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/10/22 15:44*	*11/13/22 02:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.4**		4.97		mg/Kg			11/15/22 06:07	1

Client Sample ID: SW-34

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-97
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		11/10/22 15:16	11/16/22 20:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 20:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 20:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 20:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 20:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:49*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 15:16*	*11/16/22 20:49*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-34

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-97
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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 00:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/13/22 00:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/13/22 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:36*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.4**		4.96		mg/Kg			11/15/22 06:12	1

Client Sample ID: SW-35

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-98
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		11/10/22 15:16	11/16/22 21:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 21:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:09*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 00:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/13/22 00:57	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-35

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-98
Matrix: Solid

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		11/10/22 15:44	11/13/22 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:57*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 15:44*	*11/13/22 00:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.8**		5.00		mg/Kg			11/15/22 06:17	1

Client Sample ID: SW-36

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-99
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		11/10/22 15:16	11/16/22 21:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 21:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 21:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 21:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 15:16	11/16/22 21:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 15:16	11/16/22 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:30*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:30*	*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			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**76.5**		49.9		mg/Kg			11/14/22 13:28	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		11/10/22 15:44	11/13/22 01:37	1
Diesel Range Organics (Over C10-C28)	**76.5**		49.9		mg/Kg		11/10/22 15:44	11/13/22 01:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:44	11/13/22 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/10/22 15:44*	*11/13/22 01:37*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/10/22 15:44*	*11/13/22 01:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.01		mg/Kg			11/15/22 06:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-37

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-100
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		11/10/22 15:16	11/16/22 21:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 21:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 15:16	11/16/22 21:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 15:16	11/16/22 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:50*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/10/22 15:16*	*11/16/22 21:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/17/22 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**403**		49.8		mg/Kg			11/14/22 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 15:44	11/13/22 04:39	1
Diesel Range Organics (Over C10-C28)	**193**		49.8		mg/Kg		11/10/22 15:44	11/13/22 04:39	1
Oil Range Organics (Over C28-C36)	**210**		49.8		mg/Kg		11/10/22 15:44	11/13/22 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 15:44*	*11/13/22 04:39*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 15:44*	*11/13/22 04:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.1**		4.97		mg/Kg			11/15/22 06:27	1

Client Sample ID: SW-38

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-101
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		11/14/22 14:31	11/15/22 11:02	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		11/14/22 14:31	11/15/22 11:02	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		11/14/22 14:31	11/15/22 11:02	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		11/14/22 14:31	11/15/22 11:02	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		11/14/22 14:31	11/15/22 11:02	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		11/14/22 14:31	11/15/22 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:02*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:02*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-38

Lab Sample ID: 890-3420-101
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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			11/15/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**406**		49.9		mg/Kg			11/14/22 15:10	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		11/10/22 15:47	11/13/22 04:23	1
Diesel Range Organics (Over C10-C28)	**335**		49.9		mg/Kg		11/10/22 15:47	11/13/22 04:23	1
Oil Range Organics (Over C28-C36)	**71.1**		49.9		mg/Kg		11/10/22 15:47	11/13/22 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*11/10/22 15:47*	*11/13/22 04:23*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/10/22 15:47*	*11/13/22 04:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.04		mg/Kg			11/12/22 04:40	1

Client Sample ID: SW39

Lab Sample ID: 890-3420-102
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/14/22 14:31	11/15/22 11:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/22 14:31	11/15/22 11:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 14:31	11/15/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2210**		50.0		mg/Kg			11/14/22 15:10	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		11/10/22 15:47	11/13/22 04:45	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW39

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-102
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)	1890		50.0		mg/Kg		11/10/22 15:47	11/13/22 04:45	1
Oil Range Organics (Over C28-C36)	322		50.0		mg/Kg		11/10/22 15:47	11/13/22 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/10/22 15:47*	*11/13/22 04:45*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/10/22 15:47*	*11/13/22 04:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		4.97		mg/Kg			11/12/22 04:55	1

Client Sample ID: SW-40

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-103
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		11/14/22 14:31	11/15/22 11:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/22 14:31	11/15/22 11:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 14:31	11/15/22 11:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 14:31	11/15/22 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:43*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/14/22 14:31*	*11/15/22 11:43*	*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			11/15/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	733		49.9		mg/Kg			11/14/22 15:10	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		11/10/22 15:47	11/13/22 05:07	1
Diesel Range Organics (Over C10-C28)	610		49.9		mg/Kg		11/10/22 15:47	11/13/22 05:07	1
Oil Range Organics (Over C28-C36)	123		49.9		mg/Kg		11/10/22 15:47	11/13/22 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*11/10/22 15:47*	*11/13/22 05:07*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/10/22 15:47*	*11/13/22 05:07*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-40

Lab Sample ID: 890-3420-103
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		5.05		mg/Kg			11/12/22 05:00	1

Client Sample ID: SW-41

Lab Sample ID: 890-3420-104
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/14/22 14:31	11/15/22 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 12:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/22 14:31	11/15/22 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 12:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 14:31	11/15/22 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/14/22 14:31*	*11/15/22 12:04*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/14/22 14:31*	*11/15/22 12:04*	*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			11/15/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 15:47	11/13/22 03:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 15:47	11/13/22 03:40	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 15:47	11/13/22 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*11/10/22 15:47*	*11/13/22 03:40*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/10/22 15:47*	*11/13/22 03:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		5.04		mg/Kg			11/12/22 05:05	1

Client Sample ID: SW-42

Lab Sample ID: 890-3420-105
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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		11/14/22 14:31	11/15/22 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 13:49	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-42
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-105
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/14/22 14:31	11/15/22 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 13:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 14:31	11/15/22 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/14/22 14:31*	*11/15/22 13:49*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/14/22 14:31*	*11/15/22 13:49*	*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			11/15/22 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**584**		50.0		mg/Kg			11/14/22 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:33	11/13/22 14:41	1
Diesel Range Organics (Over C10-C28)	**276**		50.0		mg/Kg		11/11/22 09:33	11/13/22 14:41	1
Oil Range Organics (Over C28-C36)	**308**		50.0		mg/Kg		11/11/22 09:33	11/13/22 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/11/22 09:33*	*11/13/22 14:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*11/11/22 09:33*	*11/13/22 14:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.5**		4.99		mg/Kg			11/12/22 05:10	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3420-1	BH-1	117	82
890-3420-2	BH-2	82	101
890-3420-3	BH-3	98	105
890-3420-4	BH-4	87	102
890-3420-4 MS	BH-4	90	102
890-3420-4 MSD	BH-4	62 S1-	103
890-3420-5	BH-5	111	78
890-3420-6	BH-6	103	87
890-3420-7	BH-7	101	81
890-3420-8	BH-8	100	85
890-3420-9	BH-9	110	98
890-3420-10	BH-10	114	106
890-3420-11	BH-11	100	89
890-3420-12	BH-12	103	86
890-3420-13	BH-13	94	83
890-3420-14	BH-14	80	83
890-3420-15	BH-15	73	99
890-3420-16	BH-16	88	102
890-3420-17	BH-17	85	102
890-3420-18	BH-18	106	109
890-3420-19	BH-19	56 S1-	101
890-3420-20	BH-20	95	105
890-3420-21	BH-21	88	108
890-3420-21 MS	BH-21	95	101
890-3420-21 MSD	BH-21	102	109
890-3420-22	BH-22	75	104
890-3420-23	BH-23	114	104
890-3420-24	BH-24	110	111
890-3420-25	BH-25	94	100
890-3420-26	BH-26	89	101
890-3420-27	BH-27	93	103
890-3420-28	BH-28	106	110
890-3420-29	BH-29	78	54 S1-
890-3420-30	BH-30	93	98
890-3420-31	BH-31	92	99
890-3420-32	BH-32	113	108
890-3420-33	BH-33	91	103
890-3420-34	BH-34	86	105
890-3420-35	BH-35	104	107
890-3420-36	BH-36	94	103
890-3420-37	BH-37	78	156 S1+
890-3420-38	BH-38	96	108
890-3420-39	BH-39	90	108
890-3420-40	BH-40	119	95
890-3420-41	BH-41	98	97
890-3420-41 MS	BH-41	76	74
890-3420-41 MSD	BH-41	91	106
890-3420-42	BH-42	74	69 S1-
890-3420-43	BH-43	104	110

Eurofins Carlsbad

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 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)								
890-3420-44	BH-44	111	81								
890-3420-45	BH-45	119	102								
890-3420-46	BH-46	108	108								
890-3420-47	BH-47	111	108								
890-3420-48	BH-48	68 S1-	72								
890-3420-49	BH-49	102	114								
890-3420-50	BH-50	92	82								
890-3420-51	BH-51	122	89								
890-3420-52	BH-52	107	112								
890-3420-53	BH-53	109	107								
890-3420-54	BH-54	111	103								
890-3420-55	BH-55	109	105								
890-3420-56	BH-56	112	108								
890-3420-57	BH-57	116	111								
890-3420-58	BH-58	114	105								
890-3420-59	BH-59	91	108								
890-3420-60	BH-60	107	111								
890-3420-61	BH-61	94	106								
890-3420-61 MS	BH-61	101	118								
890-3420-61 MSD	BH-61	96	119								
890-3420-62	BH-62	95	107								
890-3420-63	BH-63	94	104								
890-3420-64	SW-1	104	109								
890-3420-65	SW-2	104	108								
890-3420-66	SW-3	84	81								
890-3420-67	SW-4	103	110								
890-3420-68	SW-5	86	82								
890-3420-69	SW-6	103	114								
890-3420-70	SW-7	102	105								
890-3420-71	SW-8	100	105								
890-3420-72	SW-9	97	106								
890-3420-73	SW-10	87	103								
890-3420-74	SW-11	75	71								
890-3420-75	SW-12	93	95								
890-3420-76	SW-13	82	76								
890-3420-77	SW-14	89	85								
890-3420-78	SW-15	102	108								
890-3420-79	SW-16	106	102								
890-3420-80	SW-17	132 S1+	128								
890-3420-81	SW-18	89	105								
890-3420-81 MS	SW-18	92	100								
890-3420-81 MSD	SW-18	98	106								
890-3420-82	SW-19	97	105								
890-3420-83	SW-20	92	109								
890-3420-84	SW-21	87	102								
890-3420-85	SW-22	73	98								
890-3420-86	SW-23	89	108								
890-3420-87	SW-24	90	106								
890-3420-88	SW-25	87	97								
890-3420-89	SW-26	98	107								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 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)
890-3420-90	SW-27	78	106
890-3420-91	SW-28	90	98
890-3420-92	SW-29	90	102
890-3420-93	SW-30	89	100
890-3420-94	SW-31	94	109
890-3420-95	SW-32	101	104
890-3420-96	SW-33	100	105
890-3420-97	SW-34	96	103
890-3420-98	SW-35	99	100
890-3420-99	SW-36	100	112
890-3420-100	SW-37	100	111
890-3420-101	SW-38	99	105
890-3420-101 MS	SW-38	90	105
890-3420-101 MSD	SW-38	87	102
890-3420-102	SW39	111	109
890-3420-103	SW-40	117	110
890-3420-104	SW-41	111	103
890-3420-105	SW-42	117	89
LCS 880-39254/1-A	Lab Control Sample	97	104
LCS 880-39256/1-A	Lab Control Sample	99	107
LCS 880-39257/1-A	Lab Control Sample	83	98
LCS 880-39258/1-A	Lab Control Sample	93	117
LCS 880-39259/1-A	Lab Control Sample	92	100
LCS 880-39517/1-A	Lab Control Sample	87	105
LCS 880-39713/1-A	Lab Control Sample	85	106
LCSD 880-39254/2-A	Lab Control Sample Dup	95	103
LCSD 880-39256/2-A	Lab Control Sample Dup	104	96
LCSD 880-39257/2-A	Lab Control Sample Dup	89	100
LCSD 880-39258/2-A	Lab Control Sample Dup	93	117
LCSD 880-39259/2-A	Lab Control Sample Dup	100	106
LCSD 880-39517/2-A	Lab Control Sample Dup	89	104
LCSD 880-39713/2-A	Lab Control Sample Dup	92	97
MB 880-39148/5-A	Method Blank	81	106
MB 880-39254/5-A	Method Blank	81	101
MB 880-39256/5-A	Method Blank	81	104
MB 880-39257/5-A	Method Blank	95	94
MB 880-39258/5-A	Method Blank	82	96
MB 880-39259/5-A	Method Blank	77	104
MB 880-39501/5-A	Method Blank	78	105
MB 880-39517/5-A	Method Blank	99	103
MB 880-39713/5-A	Method Blank	81	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

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)								
880-21411-A-21-E MS	Matrix Spike	76	71								
880-21411-A-21-F MSD	Matrix Spike Duplicate	51 S1-	46 S1-								
890-3420-1	BH-1	121	105								
890-3420-1 MS	BH-1	95	71								
890-3420-1 MSD	BH-1	86	76								
890-3420-2	BH-2	117	102								
890-3420-3	BH-3	112	96								
890-3420-4	BH-4	111	94								
890-3420-5	BH-5	93	83								
890-3420-6	BH-6	95	91								
890-3420-7	BH-7	91	88								
890-3420-8	BH-8	86	84								
890-3420-9	BH-9	100	96								
890-3420-10	BH-10	103	94								
890-3420-11	BH-11	86	89								
890-3420-12	BH-12	97	97								
890-3420-13	BH-13	96	103								
890-3420-14	BH-14	92	93								
890-3420-15	BH-15	94	94								
890-3420-16	BH-16	103	94								
890-3420-17	BH-17	90	80								
890-3420-18	BH-18	84	76								
890-3420-19	BH-19	81	81								
890-3420-20	BH-20	95	88								
890-3420-21	BH-21	79	81								
890-3420-21 MS	BH-21	61 S1-	57 S1-								
890-3420-21 MSD	BH-21	75	71								
890-3420-22	BH-22	94	96								
890-3420-23	BH-23	84	87								
890-3420-24	BH-24	95	93								
890-3420-25	BH-25	117	123								
890-3420-26	BH-26	101	103								
890-3420-27	BH-27	61 S1-	61 S1-								
890-3420-28	BH-28	98	99								
890-3420-29	BH-29	96	102								
890-3420-30	BH-30	91	97								
890-3420-31	BH-31	63 S1-	63 S1-								
890-3420-32	BH-32	82	86								
890-3420-33	BH-33	108	114								
890-3420-34	BH-34	106	110								
890-3420-35	BH-35	97	100								
890-3420-36	BH-36	97	100								
890-3420-37	BH-37	93	101								
890-3420-38	BH-38	74	76								
890-3420-39	BH-39	83	85								
890-3420-40	BH-40	71	73								
890-3420-41	BH-41	94	89								
890-3420-41 MS	BH-41	90	75								
890-3420-41 MSD	BH-41	92	75								
890-3420-42	BH-42	101	99								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-3420-43	BH-43	89	84								
890-3420-44	BH-44	96	88								
890-3420-45	BH-45	109	108								
890-3420-46	BH-46	98	95								
890-3420-47	BH-47	91	84								
890-3420-48	BH-48	101	94								
890-3420-49	BH-49	90	82								
890-3420-50	BH-50	110	108								
890-3420-51	BH-51	100	95								
890-3420-52	BH-52	93	90								
890-3420-53	BH-53	99	97								
890-3420-54	BH-54	90	84								
890-3420-55	BH-55	98	97								
890-3420-56	BH-56	89	84								
890-3420-57	BH-57	92	87								
890-3420-58	BH-58	92	88								
890-3420-59	BH-59	87	80								
890-3420-60	BH-60	81	74								
890-3420-61	BH-61	134 S1+	124								
890-3420-62	BH-62	94	90								
890-3420-62 MS	BH-62	117	104								
890-3420-62 MSD	BH-62	96	89								
890-3420-63	BH-63	119	107								
890-3420-64	SW-1	121	108								
890-3420-65	SW-2	100	96								
890-3420-66	SW-3	100	96								
890-3420-67	SW-4	91	88								
890-3420-68	SW-5	103	111								
890-3420-69	SW-6	95	92								
890-3420-70	SW-7	111	107								
890-3420-71	SW-8	105	95								
890-3420-72	SW-9	91	86								
890-3420-73	SW-10	111	103								
890-3420-74	SW-11	93	91								
890-3420-75	SW-12	112	101								
890-3420-76	SW-13	104	97								
890-3420-77	SW-14	90	88								
890-3420-78	SW-15	123	124								
890-3420-79	SW-16	90	87								
890-3420-80	SW-17	102	95								
890-3420-81	SW-18	98	100								
890-3420-81 MS	SW-18	88	79								
890-3420-81 MSD	SW-18	83	76								
890-3420-82	SW-19	98	98								
890-3420-83	SW-20	97	97								
890-3420-84	SW-21	97	96								
890-3420-85	SW-22	92	92								
890-3420-86	SW-23	94	93								
890-3420-87	SW-24	95	95								
890-3420-88	SW-25	97	101								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3420-1
Project/Site: JR Oil - MLMU 271 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)										
890-3420-89	SW-26	104	106										
890-3420-90	SW-27	94	92										
890-3420-91	SW-28	85	85										
890-3420-92	SW-29	99	102										
890-3420-93	SW-30	90	93										
890-3420-94	SW-31	88	90										
890-3420-95	SW-32	99	98										
890-3420-96	SW-33	98	96										
890-3420-97	SW-34	85	88										
890-3420-98	SW-35	91	94										
890-3420-99	SW-36	95	101										
890-3420-100	SW-37	94	94										
890-3420-101	SW-38	82	88										
890-3420-102	SW39	109	117										
890-3420-103	SW-40	86	92										
890-3420-104	SW-41	114	130										
890-3420-105	SW-42	95	99										
890-3422-A-1-B MS	Matrix Spike	87	81										
890-3422-A-1-C MSD	Matrix Spike Duplicate	78	72										
LCS 880-39246/2-A	Lab Control Sample	96	94										
LCS 880-39247/2-A	Lab Control Sample	97	109										
LCS 880-39253/2-A	Lab Control Sample	98	91										
LCS 880-39255/2-A	Lab Control Sample	116	106										
LCS 880-39261/2-A	Lab Control Sample	96	99										
LCS 880-39262/2-A	Lab Control Sample	88	105										
LCS 880-39298/2-A	Lab Control Sample	105	113										
LCSD 880-39246/3-A	Lab Control Sample Dup	104	102										
LCSD 880-39247/3-A	Lab Control Sample Dup	116	132 S1+										
LCSD 880-39253/3-A	Lab Control Sample Dup	104	100										
LCSD 880-39255/3-A	Lab Control Sample Dup	103	103										
LCSD 880-39261/3-A	Lab Control Sample Dup	93	97										
LCSD 880-39262/3-A	Lab Control Sample Dup	102	121										
LCSD 880-39298/3-A	Lab Control Sample Dup	92	98										
MB 880-39246/1-A	Method Blank	128	131 S1+										
MB 880-39247/1-A	Method Blank	123	140 S1+										
MB 880-39253/1-A	Method Blank	115	114										
MB 880-39255/1-A	Method Blank	126	129										
MB 880-39261/1-A	Method Blank	133 S1+	145 S1+										
MB 880-39262/1-A	Method Blank	137 S1+	160 S1+										
MB 880-39298/1-A	Method Blank	104	122										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39148/5-A
Matrix: Solid
Analysis Batch: 39393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 16:01	11/14/22 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 16:01	11/14/22 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 16:01	11/14/22 13:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/22 16:01	11/14/22 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 16:01	11/14/22 13:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 16:01	11/14/22 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*11/09/22 16:01*	*11/14/22 13:20*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/09/22 16:01*	*11/14/22 13:20*	*1*

Lab Sample ID: MB 880-39254/5-A
Matrix: Solid
Analysis Batch: 39393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 00:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:46	11/15/22 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:46	11/15/22 00:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:46	11/15/22 00:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*11/10/22 14:46*	*11/15/22 00:54*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 14:46*	*11/15/22 00:54*	*1*

Lab Sample ID: LCS 880-39254/1-A
Matrix: Solid
Analysis Batch: 39393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39254

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08457		mg/Kg		85	70 - 130		
Toluene			0.100	0.09758		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.08993		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1632		mg/Kg		82	70 - 130		
o-Xylene			0.100	0.08200		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-39254/2-A
Matrix: Solid
Analysis Batch: 39393

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39254

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1033		mg/Kg		103	70 - 130	20	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-39254/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39393 — **Prep Batch: 39254**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1054		mg/Kg		105	70 - 130	8	35
Ethylbenzene			0.100	0.1020		mg/Kg		102	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1845		mg/Kg		92	70 - 130	12	35
o-Xylene			0.100	0.09116		mg/Kg		91	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-3420-4 MS — **Client Sample ID: BH-4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39393 — **Prep Batch: 39254**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.06858	F1	mg/Kg		69	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.06969		mg/Kg		70	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.06738	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.1177	F1	mg/Kg		59	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.06034	F1	mg/Kg		61	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-3420-4 MSD — **Client Sample ID: BH-4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39393 — **Prep Batch: 39254**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.05688	F1	mg/Kg		56	70 - 130	19	35
Toluene	<0.00199	U F2 F1	0.101	0.04858	F2 F1	mg/Kg		48	70 - 130	36	35
Ethylbenzene	<0.00199	U F2 F1	0.101	0.04566	F2 F1	mg/Kg		45	70 - 130	38	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.202	0.06478	F2 F1	mg/Kg		32	70 - 130	58	35
o-Xylene	<0.00199	U F2 F1	0.101	0.03280	F2 F1	mg/Kg		33	70 - 130	59	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-39256/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39581 — **Prep Batch: 39256**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:48	11/16/22 01:03	1

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39256/5-A
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:48	11/16/22 01:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:48	11/16/22 01:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:03*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 14:48*	*11/16/22 01:03*	*1*

Lab Sample ID: LCS 880-39256/1-A
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09474		mg/Kg		95	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09061		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-39256/2-A
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08459		mg/Kg		85	70 - 130	11	35
Toluene	0.100	0.09573		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.09742		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1772		mg/Kg		89	70 - 130	3	35
o-Xylene	0.100	0.08861		mg/Kg		89	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-3420-21 MS
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: BH-21
Prep Type: Total/NA
Prep Batch: 39256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.101	0.07054	F1	mg/Kg		69	70 - 130
Toluene	<0.00200	U F1	0.101	0.06983	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00200	U F1	0.101	0.05933	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.202	0.08957	F1	mg/Kg		43	70 - 130
o-Xylene	<0.00200	U F1	0.101	0.05401	F1	mg/Kg		52	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-21 MS
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: BH-21
Prep Type: Total/NA
Prep Batch: 39256

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3420-21 MSD
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: BH-21
Prep Type: Total/NA
Prep Batch: 39256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.07534		mg/Kg		75	70 - 130	7	35
Toluene	<0.00200	U F1	0.0996	0.07053		mg/Kg		71	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.0996	0.05981	F1	mg/Kg		60	70 - 130	1	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.08637	F1	mg/Kg		42	70 - 130	4	35
o-Xylene	<0.00200	U F1	0.0996	0.05406	F1	mg/Kg		53	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-39257/5-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/15/22 23:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/15/22 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/15/22 23:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:50	11/15/22 23:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:50	11/15/22 23:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:50	11/15/22 23:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/10/22 14:50	11/15/22 23:33	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/10/22 14:50	11/15/22 23:33	1

Lab Sample ID: LCS 880-39257/1-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08985		mg/Kg		90	70 - 130
Toluene	0.100	0.08643		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08423		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1631		mg/Kg		82	70 - 130
o-Xylene	0.100	0.09534		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39257/1-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39257

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

Lab Sample ID: LCSD 880-39257/2-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39257

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09805		mg/Kg		98	70 - 130	9	35
Toluene			0.100	0.09752		mg/Kg		98	70 - 130	12	35
Ethylbenzene			0.100	0.09490		mg/Kg		95	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1852		mg/Kg		93	70 - 130	13	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-3420-41 MS
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: BH-41
Prep Type: Total/NA
Prep Batch: 39257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1 F2	0.0990	0.01928	F1	mg/Kg		19	70 - 130		
Toluene	<0.00201	U F1 F2	0.0990	0.03034	F1	mg/Kg		31	70 - 130		
Ethylbenzene	<0.00201	U F1 F2	0.0990	0.03129	F1	mg/Kg		32	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.198	0.04642	F1	mg/Kg		23	70 - 130		
o-Xylene	<0.00201	U F1 F2	0.0990	0.02846	F1	mg/Kg		29	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 890-3420-41 MSD
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: BH-41
Prep Type: Total/NA
Prep Batch: 39257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.0994	0.08239	F2	mg/Kg		83	70 - 130	124	35
Toluene	<0.00201	U F1 F2	0.0994	0.07290	F2	mg/Kg		73	70 - 130	82	35
Ethylbenzene	<0.00201	U F1 F2	0.0994	0.06066	F1 F2	mg/Kg		61	70 - 130	64	35
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.199	0.1124	F1 F2	mg/Kg		57	70 - 130	83	35
o-Xylene	<0.00201	U F1 F2	0.0994	0.06401	F1 F2	mg/Kg		64	70 - 130	77	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39258/5-A
Matrix: Solid
Analysis Batch: 39664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:52	11/16/22 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:52	11/16/22 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:52	11/16/22 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/10/22 14:52*	*11/16/22 11:21*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/10/22 14:52*	*11/16/22 11:21*	*1*

Lab Sample ID: LCS 880-39258/1-A
Matrix: Solid
Analysis Batch: 39664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09126		mg/Kg		91	70 - 130
Toluene	0.100	0.07728		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.07601		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.200	0.1551		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07734		mg/Kg		77	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-39258/2-A
Matrix: Solid
Analysis Batch: 39664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39258

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1093		mg/Kg		109	70 - 130	18	35
Toluene	0.100	0.09362		mg/Kg		94	70 - 130	19	35
Ethylbenzene	0.100	0.09050		mg/Kg		91	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1846		mg/Kg		92	70 - 130	17	35
o-Xylene	0.100	0.09013		mg/Kg		90	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 890-3420-61 MS
Matrix: Solid
Analysis Batch: 39664

Client Sample ID: BH-61
Prep Type: Total/NA
Prep Batch: 39258

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.09009		mg/Kg		90	70 - 130
Toluene	<0.00202	U	0.0998	0.07432		mg/Kg		74	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-61 MS — **Client Sample ID: BH-61**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39664 — **Prep Batch: 39258**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0998	0.07161		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1491		mg/Kg		75	70 - 130
o-Xylene	<0.00202	U	0.0998	0.07380		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 890-3420-61 MSD — **Client Sample ID: BH-61**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39664 — **Prep Batch: 39258**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09553		mg/Kg		95	70 - 130	6	35
Toluene	<0.00202	U	0.100	0.07719		mg/Kg		77	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.07276		mg/Kg		73	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1472		mg/Kg		73	70 - 130	1	35
o-Xylene	<0.00202	U	0.100	0.07409		mg/Kg		74	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: MB 880-39259/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39686 — **Prep Batch: 39259**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 15:16	11/16/22 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 15:16	11/16/22 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 15:16	11/16/22 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/10/22 15:16*	*11/16/22 13:25*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 15:16*	*11/16/22 13:25*	*1*

Lab Sample ID: LCS 880-39259/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39686 — **Prep Batch: 39259**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07971		mg/Kg		80	70 - 130
Toluene	0.100	0.09330		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08797		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1532		mg/Kg		77	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39259/1-A
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39259

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.07630		mg/Kg		76	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-39259/2-A
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39259

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09579		mg/Kg		96	70 - 130	18	35
Toluene			0.100	0.1160		mg/Kg		116	70 - 130	22	35
Ethylbenzene			0.100	0.1133		mg/Kg		113	70 - 130	25	35
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130	28	35
o-Xylene			0.100	0.09791		mg/Kg		98	70 - 130	25	35

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

Lab Sample ID: 890-3420-81 MS
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08343		mg/Kg		83	70 - 130		
Toluene	<0.00200	U	0.100	0.08510		mg/Kg		85	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08018		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1440		mg/Kg		72	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.06897	F1	mg/Kg		68	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-3420-81 MSD
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09924		mg/Kg		100	70 - 130	17	35
Toluene	<0.00200	U	0.0990	0.1012		mg/Kg		102	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.0990	0.09331		mg/Kg		94	70 - 130	15	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1678		mg/Kg		85	70 - 130	15	35
o-Xylene	<0.00200	U F1	0.0990	0.08057		mg/Kg		81	70 - 130	16	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-81 MSD
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39259

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-39501/5-A
Matrix: Solid
Analysis Batch: 39581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:52	11/15/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:52	11/15/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:52	11/15/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/22 13:52	11/15/22 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:52	11/15/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:52	11/15/22 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/14/22 13:52	11/15/22 12:40	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/14/22 13:52	11/15/22 12:40	1

Lab Sample ID: MB 880-39517/5-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/22 14:31	11/15/22 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 14:31	11/15/22 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 14:31	11/15/22 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/14/22 14:31	11/15/22 10:40	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/14/22 14:31	11/15/22 10:40	1

Lab Sample ID: LCS 880-39517/1-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08531		mg/Kg		85	70 - 130
Toluene	0.100	0.08499		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08145		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1590		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08947		mg/Kg		89	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39517/1-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39517

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-39517/2-A
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39517

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09442		mg/Kg		94	70 - 130	10	35
Toluene			0.100	0.09389		mg/Kg		94	70 - 130	10	35
Ethylbenzene			0.100	0.09123		mg/Kg		91	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1754		mg/Kg		88	70 - 130	10	35
o-Xylene			0.100	0.09876		mg/Kg		99	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-3420-101 MS
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: SW-38
Prep Type: Total/NA
Prep Batch: 39517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.07702		mg/Kg		77	70 - 130
Toluene	<0.00201	U F1	0.0996	0.06844	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00201	U F1	0.0996	0.05364	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1042	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00201	U F1	0.0996	0.05936	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-3420-101 MSD
Matrix: Solid
Analysis Batch: 39576

Client Sample ID: SW-38
Prep Type: Total/NA
Prep Batch: 39517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.08047		mg/Kg		81	70 - 130	4	35
Toluene	<0.00201	U F1	0.0994	0.07076		mg/Kg		71	70 - 130	3	35
Ethylbenzene	<0.00201	U F1	0.0994	0.05579	F1	mg/Kg		56	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1072	F1	mg/Kg		54	70 - 130	3	35
o-Xylene	<0.00201	U F1	0.0994	0.06104	F1	mg/Kg		61	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39713/5-A
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 00:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 00:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 00:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/16/22 10:57	11/17/22 00:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/22 10:57	11/17/22 00:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/16/22 10:57	11/17/22 00:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*11/16/22 10:57*	*11/17/22 00:59*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/16/22 10:57*	*11/17/22 00:59*	*1*

Lab Sample ID: LCS 880-39713/1-A
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39713

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08679		mg/Kg		87	70 - 130		
Toluene			0.100	0.09007		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.08826		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1618		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08011		mg/Kg		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-39713/2-A
Matrix: Solid
Analysis Batch: 39686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39713

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08832		mg/Kg		88	70 - 130	2	35
Toluene			0.100	0.09197		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.09209		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1686		mg/Kg		84	70 - 130	4	35
o-Xylene			0.100	0.08300		mg/Kg		83	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39246/1-A
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39246

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		11/10/22 13:36	11/11/22 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 20:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:36	11/11/22 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*11/10/22 13:36*	*11/11/22 20:27*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*11/10/22 13:36*	*11/11/22 20:27*	*1*

Lab Sample ID: LCS 880-39246/2-A
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	818.7		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-39246/3-A
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.5		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-3420-1 MS
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: BH-1
Prep Type: Total/NA
Prep Batch: 39246

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	802.9		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	218	F1	997	824.0	F1	mg/Kg		61	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-1 MS
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: BH-1
Prep Type: Total/NA
Prep Batch: 39246

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 890-3420-1 MSD
Matrix: Solid
Analysis Batch: 39273

Client Sample ID: BH-1
Prep Type: Total/NA
Prep Batch: 39246

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	868.0		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	218	F1	999	881.5	F1	mg/Kg		66	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: MB 880-39247/1-A
Matrix: Solid
Analysis Batch: 39275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39247

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		11/10/22 13:39	11/11/22 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 20:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 13:39	11/11/22 20:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	11/10/22 13:39	11/11/22 20:27	1
o-Terphenyl	140	S1+	70 - 130	11/10/22 13:39	11/11/22 20:27	1

Lab Sample ID: LCS 880-39247/2-A
Matrix: Solid
Analysis Batch: 39275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	999.1		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	817.1		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-39247/3-A
Matrix: Solid
Analysis Batch: 39275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39247

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1176		mg/Kg		118	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1021	*1	mg/Kg		102	70 - 130	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: 890-3420-21 MS
Matrix: Solid
Analysis Batch: 39275

Client Sample ID: BH-21
Prep Type: Total/NA
Prep Batch: 39247

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	1187		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	215	*1 F1 F2	997	644.3	F1	mg/Kg		43	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*61*	*S1-*	*70 - 130*
o-Terphenyl	*57*	*S1-*	*70 - 130*

Lab Sample ID: 890-3420-21 MSD
Matrix: Solid
Analysis Batch: 39275

Client Sample ID: BH-21
Prep Type: Total/NA
Prep Batch: 39247

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	1033		mg/Kg		101	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	215	*1 F1 F2	999	817.3	F1 F2	mg/Kg		60	70 - 130	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Lab Sample ID: MB 880-39253/1-A
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39253

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		11/10/22 14:44	11/11/22 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 20:48	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:44	11/11/22 20:48	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-39253/1-A
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39253

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	11/10/22 14:44	11/11/22 20:48	1
o-Terphenyl	114		70 - 130	11/10/22 14:44	11/11/22 20:48	1

Lab Sample ID: LCS 880-39253/2-A
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	925.6		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	798.6		mg/Kg		80	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: LCSD 880-39253/3-A
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1090		mg/Kg		109	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	853.8		mg/Kg		85	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-3420-41 MS
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: BH-41
Prep Type: Total/NA
Prep Batch: 39253

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	1189		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	227		997	965.5		mg/Kg		74	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-41 MSD
Matrix: Solid
Analysis Batch: 39269

Client Sample ID: BH-41
Prep Type: Total/NA
Prep Batch: 39253

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	1103		mg/Kg		110	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	227		999	1000		mg/Kg		77	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: MB 880-39255/1-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39255

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		11/10/22 14:46	11/12/22 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 14:46	11/12/22 20:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/10/22 14:46*	*11/12/22 20:03*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/10/22 14:46*	*11/12/22 20:03*	*1*

Lab Sample ID: LCS 880-39255/2-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	924.2		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-39255/3-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39255

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-39255/3-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39255

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-3420-62 MS
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: BH-62
Prep Type: Total/NA
Prep Batch: 39255

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	997	904.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1082		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-3420-62 MSD
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: BH-62
Prep Type: Total/NA
Prep Batch: 39255

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	783.0		mg/Kg		78	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	920.2		mg/Kg		92	70 - 130	16	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: MB 880-39261/1-A
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39261

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		11/10/22 15:44	11/12/22 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 20:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:44	11/12/22 20:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	11/10/22 15:44	11/12/22 20:03	1
o-Terphenyl	145	S1+	70 - 130	11/10/22 15:44	11/12/22 20:03	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39261/2-A
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	966.1		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	986.8		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-39261/3-A
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39261

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	925.1		mg/Kg		93	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	950.4		mg/Kg		95	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 890-3420-81 MS
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39261

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	1007		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	810.3		mg/Kg		77	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: 890-3420-81 MSD
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39261

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	998.4		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	804.9		mg/Kg		76	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 890-3420-81 MSD
Matrix: Solid
Analysis Batch: 39360

Client Sample ID: SW-18
Prep Type: Total/NA
Prep Batch: 39261

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	76		70 - 130

Lab Sample ID: MB 880-39262/1-A
Matrix: Solid
Analysis Batch: 39366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39262

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		11/10/22 15:47	11/12/22 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 20:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 20:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	11/10/22 15:47	11/12/22 20:03	1
o-Terphenyl	160	S1+	70 - 130	11/10/22 15:47	11/12/22 20:03	1

Lab Sample ID: LCS 880-39262/2-A
Matrix: Solid
Analysis Batch: 39366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	879.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	811.2		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-39262/3-A
Matrix: Solid
Analysis Batch: 39366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	922.4		mg/Kg		92	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	121		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: 880-21411-A-21-E MS
Matrix: Solid
Analysis Batch: 39366

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 39262

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 F1 F2	997	858.8		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	997	946.8		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Lab Sample ID: 880-21411-A-21-F MSD
Matrix: Solid
Analysis Batch: 39366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39262

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 F1 F2	999	605.9	F1 F2	mg/Kg		59	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	999	634.1	F1 F2	mg/Kg		61	70 - 130	40	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*51*	*S1-*	*70 - 130*
o-Terphenyl	*46*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-39298/1-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39298

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		11/11/22 09:33	11/13/22 09:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:33	11/13/22 09:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:33	11/13/22 09:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/11/22 09:33*	*11/13/22 09:25*	*1*
o-Terphenyl	*122*		*70 - 130*	*11/11/22 09:33*	*11/13/22 09:25*	*1*

Lab Sample ID: LCS 880-39298/2-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1126		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-39298/2-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39298

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-39298/3-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39298

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	927.9		mg/Kg		93	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	959.4		mg/Kg		96	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 890-3422-A-1-B MS
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 39298

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	1006		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	819.0		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-3422-A-1-C MSD
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39298

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	999.1		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	776.3		mg/Kg		76	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	72		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39126/1-A
Matrix: Solid
Analysis Batch: 39335

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			11/12/22 02:56	1

Lab Sample ID: LCS 880-39126/2-A
Matrix: Solid
Analysis Batch: 39335

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.1		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-39126/3-A
Matrix: Solid
Analysis Batch: 39335

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	258.9		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 890-3402-A-1-D MS
Matrix: Solid
Analysis Batch: 39335

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	195		249	466.5		mg/Kg		109	90 - 110

Lab Sample ID: 890-3402-A-1-E MSD
Matrix: Solid
Analysis Batch: 39335

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	195		249	456.2		mg/Kg		105	90 - 110	2	20

Lab Sample ID: MB 880-39289/1-A
Matrix: Solid
Analysis Batch: 39518

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			11/14/22 13:41	1

Lab Sample ID: LCS 880-39289/2-A
Matrix: Solid
Analysis Batch: 39518

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-39289/3-A
Matrix: Solid
Analysis Batch: 39518

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	265.0		mg/Kg		106	90 - 110	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3420-1 MS
Matrix: Solid
Analysis Batch: 39518

Client Sample ID: BH-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	61.2	F1	251	359.4	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-3420-1 MSD
Matrix: Solid
Analysis Batch: 39518

Client Sample ID: BH-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	61.2	F1	251	347.1	F1	mg/Kg		114	90 - 110	3	20

Lab Sample ID: 890-3420-11 MS
Matrix: Solid
Analysis Batch: 39518

Client Sample ID: BH-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	93.6		250	362.0		mg/Kg		108	90 - 110

Lab Sample ID: 890-3420-11 MSD
Matrix: Solid
Analysis Batch: 39518

Client Sample ID: BH-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	93.6		250	363.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-39290/1-A
Matrix: Solid
Analysis Batch: 39531

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			11/14/22 22:00	1

Lab Sample ID: LCS 880-39290/2-A
Matrix: Solid
Analysis Batch: 39531

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.5		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-39290/3-A
Matrix: Solid
Analysis Batch: 39531

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	274.4		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 890-3420-21 MS
Matrix: Solid
Analysis Batch: 39531

Client Sample ID: BH-21
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.9	F1	253	371.7	F1	mg/Kg		113	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3420-21 MSD — **Client Sample ID: BH-21**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.9	F1	253	373.2	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 890-3420-31 MS — **Client Sample ID: BH-31**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	234		253	487.8		mg/Kg		100	90 - 110

Lab Sample ID: 890-3420-31 MSD — **Client Sample ID: BH-31**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	234		253	483.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-39292/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/15/22 02:10	1

Lab Sample ID: LCS 880-39292/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.8		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-39292/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	265.6		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 890-3420-41 MS — **Client Sample ID: BH-41**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	191	F1	250	481.5	F1	mg/Kg		116	90 - 110

Lab Sample ID: 890-3420-41 MSD — **Client Sample ID: BH-41**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191	F1	250	462.3		mg/Kg		108	90 - 110	4	20

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3420-51 MS
Matrix: Solid
Analysis Batch: 39538

Client Sample ID: BH-51
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		249	388.9		mg/Kg		100	90 - 110

Lab Sample ID: 890-3420-51 MSD
Matrix: Solid
Analysis Batch: 39538

Client Sample ID: BH-51
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		249	384.6		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-39294/1-A
Matrix: Solid
Analysis Batch: 39539

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			11/15/22 03:58	1

Lab Sample ID: LCS 880-39294/2-A
Matrix: Solid
Analysis Batch: 39539

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-39294/3-A
Matrix: Solid
Analysis Batch: 39539

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	273.5		mg/Kg		109	90 - 110	5	20

Lab Sample ID: 890-3420-81 MS
Matrix: Solid
Analysis Batch: 39539

Client Sample ID: SW-18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16.8		253	263.9		mg/Kg		98	90 - 110

Lab Sample ID: 890-3420-81 MSD
Matrix: Solid
Analysis Batch: 39539

Client Sample ID: SW-18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.8		253	278.1		mg/Kg		103	90 - 110	5	20

Lab Sample ID: 890-3420-91 MS
Matrix: Solid
Analysis Batch: 39539

Client Sample ID: SW-28
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	27.0		251	280.0		mg/Kg		101	90 - 110

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3420-91 MSD — **Client Sample ID: SW-28**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27.0		251	291.4		mg/Kg		106	90 - 110	4	20

Lab Sample ID: MB 880-39293/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/15/22 09:04	1

Lab Sample ID: LCS 880-39293/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.5		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-39293/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	272.3		mg/Kg		109	90 - 110	3	20

Lab Sample ID: 890-3420-61 MS — **Client Sample ID: BH-61**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	76.6		249	334.3		mg/Kg		104	90 - 110

Lab Sample ID: 890-3420-61 MSD — **Client Sample ID: BH-61**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.6		249	335.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-3420-71 MS — **Client Sample ID: SW-8**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.4	F1	252	292.4		mg/Kg		108	90 - 110

Lab Sample ID: 890-3420-71 MSD — **Client Sample ID: SW-8**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	20.4	F1	252	302.5	F1	mg/Kg		112	90 - 110	3	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA

Prep Batch: 39148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39148/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	5035	
890-3420-2	BH-2	Total/NA	Solid	5035	
890-3420-3	BH-3	Total/NA	Solid	5035	
890-3420-4	BH-4	Total/NA	Solid	5035	
890-3420-5	BH-5	Total/NA	Solid	5035	
890-3420-6	BH-6	Total/NA	Solid	5035	
890-3420-7	BH-7	Total/NA	Solid	5035	
890-3420-8	BH-8	Total/NA	Solid	5035	
890-3420-9	BH-9	Total/NA	Solid	5035	
890-3420-10	BH-10	Total/NA	Solid	5035	
890-3420-11	BH-11	Total/NA	Solid	5035	
890-3420-12	BH-12	Total/NA	Solid	5035	
890-3420-13	BH-13	Total/NA	Solid	5035	
890-3420-14	BH-14	Total/NA	Solid	5035	
890-3420-15	BH-15	Total/NA	Solid	5035	
890-3420-16	BH-16	Total/NA	Solid	5035	
890-3420-17	BH-17	Total/NA	Solid	5035	
890-3420-18	BH-18	Total/NA	Solid	5035	
890-3420-19	BH-19	Total/NA	Solid	5035	
890-3420-20	BH-20	Total/NA	Solid	5035	
MB 880-39254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-4 MS	BH-4	Total/NA	Solid	5035	
890-3420-4 MSD	BH-4	Total/NA	Solid	5035	

Prep Batch: 39256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Total/NA	Solid	5035	
890-3420-22	BH-22	Total/NA	Solid	5035	
890-3420-23	BH-23	Total/NA	Solid	5035	
890-3420-24	BH-24	Total/NA	Solid	5035	
890-3420-25	BH-25	Total/NA	Solid	5035	
890-3420-26	BH-26	Total/NA	Solid	5035	
890-3420-27	BH-27	Total/NA	Solid	5035	
890-3420-28	BH-28	Total/NA	Solid	5035	
890-3420-29	BH-29	Total/NA	Solid	5035	
890-3420-30	BH-30	Total/NA	Solid	5035	
890-3420-31	BH-31	Total/NA	Solid	5035	
890-3420-32	BH-32	Total/NA	Solid	5035	
890-3420-33	BH-33	Total/NA	Solid	5035	
890-3420-34	BH-34	Total/NA	Solid	5035	
890-3420-35	BH-35	Total/NA	Solid	5035	
890-3420-36	BH-36	Total/NA	Solid	5035	
890-3420-37	BH-37	Total/NA	Solid	5035	
890-3420-38	BH-38	Total/NA	Solid	5035	
MB 880-39256/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 39256 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-39256/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39256/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-21 MS	BH-21	Total/NA	Solid	5035	
890-3420-21 MSD	BH-21	Total/NA	Solid	5035	

Prep Batch: 39257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Total/NA	Solid	5035	
890-3420-42	BH-42	Total/NA	Solid	5035	
890-3420-43	BH-43	Total/NA	Solid	5035	
890-3420-44	BH-44	Total/NA	Solid	5035	
890-3420-45	BH-45	Total/NA	Solid	5035	
890-3420-46	BH-46	Total/NA	Solid	5035	
890-3420-47	BH-47	Total/NA	Solid	5035	
890-3420-48	BH-48	Total/NA	Solid	5035	
890-3420-49	BH-49	Total/NA	Solid	5035	
890-3420-50	BH-50	Total/NA	Solid	5035	
890-3420-51	BH-51	Total/NA	Solid	5035	
890-3420-52	BH-52	Total/NA	Solid	5035	
890-3420-53	BH-53	Total/NA	Solid	5035	
890-3420-54	BH-54	Total/NA	Solid	5035	
890-3420-55	BH-55	Total/NA	Solid	5035	
890-3420-56	BH-56	Total/NA	Solid	5035	
890-3420-57	BH-57	Total/NA	Solid	5035	
890-3420-58	BH-58	Total/NA	Solid	5035	
890-3420-59	BH-59	Total/NA	Solid	5035	
890-3420-60	BH-60	Total/NA	Solid	5035	
MB 880-39257/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39257/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39257/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-41 MS	BH-41	Total/NA	Solid	5035	
890-3420-41 MSD	BH-41	Total/NA	Solid	5035	

Prep Batch: 39258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Total/NA	Solid	5035	
890-3420-62	BH-62	Total/NA	Solid	5035	
890-3420-63	BH-63	Total/NA	Solid	5035	
890-3420-64	SW-1	Total/NA	Solid	5035	
890-3420-65	SW-2	Total/NA	Solid	5035	
890-3420-66	SW-3	Total/NA	Solid	5035	
890-3420-67	SW-4	Total/NA	Solid	5035	
890-3420-68	SW-5	Total/NA	Solid	5035	
890-3420-69	SW-6	Total/NA	Solid	5035	
890-3420-70	SW-7	Total/NA	Solid	5035	
890-3420-71	SW-8	Total/NA	Solid	5035	
890-3420-72	SW-9	Total/NA	Solid	5035	
890-3420-73	SW-10	Total/NA	Solid	5035	
890-3420-74	SW-11	Total/NA	Solid	5035	
890-3420-75	SW-12	Total/NA	Solid	5035	
890-3420-76	SW-13	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 39258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-77	SW-14	Total/NA	Solid	5035	
890-3420-78	SW-15	Total/NA	Solid	5035	
890-3420-79	SW-16	Total/NA	Solid	5035	
890-3420-80	SW-17	Total/NA	Solid	5035	
MB 880-39258/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39258/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39258/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-61 MS	BH-61	Total/NA	Solid	5035	
890-3420-61 MSD	BH-61	Total/NA	Solid	5035	

Prep Batch: 39259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81	SW-18	Total/NA	Solid	5035	
890-3420-82	SW-19	Total/NA	Solid	5035	
890-3420-83	SW-20	Total/NA	Solid	5035	
890-3420-84	SW-21	Total/NA	Solid	5035	
890-3420-85	SW-22	Total/NA	Solid	5035	
890-3420-86	SW-23	Total/NA	Solid	5035	
890-3420-87	SW-24	Total/NA	Solid	5035	
890-3420-88	SW-25	Total/NA	Solid	5035	
890-3420-89	SW-26	Total/NA	Solid	5035	
890-3420-90	SW-27	Total/NA	Solid	5035	
890-3420-91	SW-28	Total/NA	Solid	5035	
890-3420-92	SW-29	Total/NA	Solid	5035	
890-3420-93	SW-30	Total/NA	Solid	5035	
890-3420-94	SW-31	Total/NA	Solid	5035	
890-3420-95	SW-32	Total/NA	Solid	5035	
890-3420-96	SW-33	Total/NA	Solid	5035	
890-3420-97	SW-34	Total/NA	Solid	5035	
890-3420-98	SW-35	Total/NA	Solid	5035	
890-3420-99	SW-36	Total/NA	Solid	5035	
890-3420-100	SW-37	Total/NA	Solid	5035	
MB 880-39259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-81 MS	SW-18	Total/NA	Solid	5035	
890-3420-81 MSD	SW-18	Total/NA	Solid	5035	

Analysis Batch: 39393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	8021B	39254
890-3420-2	BH-2	Total/NA	Solid	8021B	39254
890-3420-3	BH-3	Total/NA	Solid	8021B	39254
890-3420-4	BH-4	Total/NA	Solid	8021B	39254
890-3420-5	BH-5	Total/NA	Solid	8021B	39254
890-3420-6	BH-6	Total/NA	Solid	8021B	39254
890-3420-7	BH-7	Total/NA	Solid	8021B	39254
890-3420-8	BH-8	Total/NA	Solid	8021B	39254
890-3420-9	BH-9	Total/NA	Solid	8021B	39254
890-3420-10	BH-10	Total/NA	Solid	8021B	39254
890-3420-11	BH-11	Total/NA	Solid	8021B	39254

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-12	BH-12	Total/NA	Solid	8021B	39254
890-3420-13	BH-13	Total/NA	Solid	8021B	39254
890-3420-14	BH-14	Total/NA	Solid	8021B	39254
890-3420-15	BH-15	Total/NA	Solid	8021B	39254
890-3420-16	BH-16	Total/NA	Solid	8021B	39254
890-3420-17	BH-17	Total/NA	Solid	8021B	39254
890-3420-18	BH-18	Total/NA	Solid	8021B	39254
890-3420-19	BH-19	Total/NA	Solid	8021B	39254
890-3420-20	BH-20	Total/NA	Solid	8021B	39254
MB 880-39148/5-A	Method Blank	Total/NA	Solid	8021B	39148
MB 880-39254/5-A	Method Blank	Total/NA	Solid	8021B	39254
LCS 880-39254/1-A	Lab Control Sample	Total/NA	Solid	8021B	39254
LCSD 880-39254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39254
890-3420-4 MS	BH-4	Total/NA	Solid	8021B	39254
890-3420-4 MSD	BH-4	Total/NA	Solid	8021B	39254

Prep Batch: 39501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39501/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-101	SW-38	Total/NA	Solid	5035	
890-3420-102	SW39	Total/NA	Solid	5035	
890-3420-103	SW-40	Total/NA	Solid	5035	
890-3420-104	SW-41	Total/NA	Solid	5035	
890-3420-105	SW-42	Total/NA	Solid	5035	
MB 880-39517/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39517/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39517/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3420-101 MS	SW-38	Total/NA	Solid	5035	
890-3420-101 MSD	SW-38	Total/NA	Solid	5035	

Analysis Batch: 39576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Total/NA	Solid	8021B	39257
890-3420-42	BH-42	Total/NA	Solid	8021B	39257
890-3420-43	BH-43	Total/NA	Solid	8021B	39257
890-3420-44	BH-44	Total/NA	Solid	8021B	39257
890-3420-45	BH-45	Total/NA	Solid	8021B	39257
890-3420-46	BH-46	Total/NA	Solid	8021B	39257
890-3420-47	BH-47	Total/NA	Solid	8021B	39257
890-3420-48	BH-48	Total/NA	Solid	8021B	39257
890-3420-49	BH-49	Total/NA	Solid	8021B	39257
890-3420-50	BH-50	Total/NA	Solid	8021B	39257
890-3420-51	BH-51	Total/NA	Solid	8021B	39257
890-3420-52	BH-52	Total/NA	Solid	8021B	39257
890-3420-53	BH-53	Total/NA	Solid	8021B	39257
890-3420-54	BH-54	Total/NA	Solid	8021B	39257
890-3420-55	BH-55	Total/NA	Solid	8021B	39257
890-3420-56	BH-56	Total/NA	Solid	8021B	39257

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-57	BH-57	Total/NA	Solid	8021B	39257
890-3420-58	BH-58	Total/NA	Solid	8021B	39257
890-3420-59	BH-59	Total/NA	Solid	8021B	39257
890-3420-60	BH-60	Total/NA	Solid	8021B	39257
890-3420-101	SW-38	Total/NA	Solid	8021B	39517
890-3420-102	SW39	Total/NA	Solid	8021B	39517
890-3420-103	SW-40	Total/NA	Solid	8021B	39517
890-3420-104	SW-41	Total/NA	Solid	8021B	39517
890-3420-105	SW-42	Total/NA	Solid	8021B	39517
MB 880-39257/5-A	Method Blank	Total/NA	Solid	8021B	39257
MB 880-39517/5-A	Method Blank	Total/NA	Solid	8021B	39517
LCS 880-39257/1-A	Lab Control Sample	Total/NA	Solid	8021B	39257
LCS 880-39517/1-A	Lab Control Sample	Total/NA	Solid	8021B	39517
LCSD 880-39257/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39257
LCSD 880-39517/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39517
890-3420-41 MS	BH-41	Total/NA	Solid	8021B	39257
890-3420-41 MSD	BH-41	Total/NA	Solid	8021B	39257
890-3420-101 MS	SW-38	Total/NA	Solid	8021B	39517
890-3420-101 MSD	SW-38	Total/NA	Solid	8021B	39517

Analysis Batch: 39581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Total/NA	Solid	8021B	39256
890-3420-22	BH-22	Total/NA	Solid	8021B	39256
890-3420-23	BH-23	Total/NA	Solid	8021B	39256
890-3420-24	BH-24	Total/NA	Solid	8021B	39256
890-3420-25	BH-25	Total/NA	Solid	8021B	39256
890-3420-26	BH-26	Total/NA	Solid	8021B	39256
890-3420-27	BH-27	Total/NA	Solid	8021B	39256
890-3420-28	BH-28	Total/NA	Solid	8021B	39256
890-3420-29	BH-29	Total/NA	Solid	8021B	39256
890-3420-30	BH-30	Total/NA	Solid	8021B	39256
890-3420-31	BH-31	Total/NA	Solid	8021B	39256
890-3420-32	BH-32	Total/NA	Solid	8021B	39256
890-3420-33	BH-33	Total/NA	Solid	8021B	39256
890-3420-34	BH-34	Total/NA	Solid	8021B	39256
890-3420-35	BH-35	Total/NA	Solid	8021B	39256
890-3420-36	BH-36	Total/NA	Solid	8021B	39256
890-3420-37	BH-37	Total/NA	Solid	8021B	39256
890-3420-38	BH-38	Total/NA	Solid	8021B	39256
MB 880-39256/5-A	Method Blank	Total/NA	Solid	8021B	39256
MB 880-39501/5-A	Method Blank	Total/NA	Solid	8021B	39501
LCS 880-39256/1-A	Lab Control Sample	Total/NA	Solid	8021B	39256
LCSD 880-39256/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39256
890-3420-21 MS	BH-21	Total/NA	Solid	8021B	39256
890-3420-21 MSD	BH-21	Total/NA	Solid	8021B	39256

Analysis Batch: 39615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	Total BTEX	
890-3420-2	BH-2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-3	BH-3	Total/NA	Solid	Total BTEX	
890-3420-4	BH-4	Total/NA	Solid	Total BTEX	
890-3420-5	BH-5	Total/NA	Solid	Total BTEX	
890-3420-6	BH-6	Total/NA	Solid	Total BTEX	
890-3420-7	BH-7	Total/NA	Solid	Total BTEX	
890-3420-8	BH-8	Total/NA	Solid	Total BTEX	
890-3420-9	BH-9	Total/NA	Solid	Total BTEX	
890-3420-10	BH-10	Total/NA	Solid	Total BTEX	
890-3420-11	BH-11	Total/NA	Solid	Total BTEX	
890-3420-12	BH-12	Total/NA	Solid	Total BTEX	
890-3420-13	BH-13	Total/NA	Solid	Total BTEX	
890-3420-14	BH-14	Total/NA	Solid	Total BTEX	
890-3420-15	BH-15	Total/NA	Solid	Total BTEX	
890-3420-16	BH-16	Total/NA	Solid	Total BTEX	
890-3420-17	BH-17	Total/NA	Solid	Total BTEX	
890-3420-18	BH-18	Total/NA	Solid	Total BTEX	
890-3420-19	BH-19	Total/NA	Solid	Total BTEX	
890-3420-20	BH-20	Total/NA	Solid	Total BTEX	
890-3420-21	BH-21	Total/NA	Solid	Total BTEX	
890-3420-22	BH-22	Total/NA	Solid	Total BTEX	
890-3420-23	BH-23	Total/NA	Solid	Total BTEX	
890-3420-24	BH-24	Total/NA	Solid	Total BTEX	
890-3420-25	BH-25	Total/NA	Solid	Total BTEX	
890-3420-26	BH-26	Total/NA	Solid	Total BTEX	
890-3420-27	BH-27	Total/NA	Solid	Total BTEX	
890-3420-28	BH-28	Total/NA	Solid	Total BTEX	
890-3420-29	BH-29	Total/NA	Solid	Total BTEX	
890-3420-30	BH-30	Total/NA	Solid	Total BTEX	
890-3420-31	BH-31	Total/NA	Solid	Total BTEX	
890-3420-32	BH-32	Total/NA	Solid	Total BTEX	
890-3420-33	BH-33	Total/NA	Solid	Total BTEX	
890-3420-34	BH-34	Total/NA	Solid	Total BTEX	
890-3420-35	BH-35	Total/NA	Solid	Total BTEX	
890-3420-36	BH-36	Total/NA	Solid	Total BTEX	
890-3420-37	BH-37	Total/NA	Solid	Total BTEX	
890-3420-38	BH-38	Total/NA	Solid	Total BTEX	
890-3420-39	BH-39	Total/NA	Solid	Total BTEX	
890-3420-40	BH-40	Total/NA	Solid	Total BTEX	
890-3420-41	BH-41	Total/NA	Solid	Total BTEX	
890-3420-42	BH-42	Total/NA	Solid	Total BTEX	
890-3420-43	BH-43	Total/NA	Solid	Total BTEX	
890-3420-44	BH-44	Total/NA	Solid	Total BTEX	
890-3420-45	BH-45	Total/NA	Solid	Total BTEX	
890-3420-46	BH-46	Total/NA	Solid	Total BTEX	
890-3420-47	BH-47	Total/NA	Solid	Total BTEX	
890-3420-48	BH-48	Total/NA	Solid	Total BTEX	
890-3420-49	BH-49	Total/NA	Solid	Total BTEX	
890-3420-50	BH-50	Total/NA	Solid	Total BTEX	
890-3420-51	BH-51	Total/NA	Solid	Total BTEX	
890-3420-52	BH-52	Total/NA	Solid	Total BTEX	
890-3420-53	BH-53	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-54	BH-54	Total/NA	Solid	Total BTEX	
890-3420-55	BH-55	Total/NA	Solid	Total BTEX	
890-3420-56	BH-56	Total/NA	Solid	Total BTEX	
890-3420-57	BH-57	Total/NA	Solid	Total BTEX	
890-3420-58	BH-58	Total/NA	Solid	Total BTEX	
890-3420-59	BH-59	Total/NA	Solid	Total BTEX	
890-3420-60	BH-60	Total/NA	Solid	Total BTEX	
890-3420-61	BH-61	Total/NA	Solid	Total BTEX	
890-3420-62	BH-62	Total/NA	Solid	Total BTEX	
890-3420-63	BH-63	Total/NA	Solid	Total BTEX	
890-3420-64	SW-1	Total/NA	Solid	Total BTEX	
890-3420-65	SW-2	Total/NA	Solid	Total BTEX	
890-3420-66	SW-3	Total/NA	Solid	Total BTEX	
890-3420-67	SW-4	Total/NA	Solid	Total BTEX	
890-3420-68	SW-5	Total/NA	Solid	Total BTEX	
890-3420-69	SW-6	Total/NA	Solid	Total BTEX	
890-3420-70	SW-7	Total/NA	Solid	Total BTEX	
890-3420-71	SW-8	Total/NA	Solid	Total BTEX	
890-3420-72	SW-9	Total/NA	Solid	Total BTEX	
890-3420-73	SW-10	Total/NA	Solid	Total BTEX	
890-3420-74	SW-11	Total/NA	Solid	Total BTEX	
890-3420-75	SW-12	Total/NA	Solid	Total BTEX	
890-3420-76	SW-13	Total/NA	Solid	Total BTEX	
890-3420-77	SW-14	Total/NA	Solid	Total BTEX	
890-3420-78	SW-15	Total/NA	Solid	Total BTEX	
890-3420-79	SW-16	Total/NA	Solid	Total BTEX	
890-3420-80	SW-17	Total/NA	Solid	Total BTEX	
890-3420-81	SW-18	Total/NA	Solid	Total BTEX	
890-3420-82	SW-19	Total/NA	Solid	Total BTEX	
890-3420-83	SW-20	Total/NA	Solid	Total BTEX	
890-3420-84	SW-21	Total/NA	Solid	Total BTEX	
890-3420-85	SW-22	Total/NA	Solid	Total BTEX	
890-3420-86	SW-23	Total/NA	Solid	Total BTEX	
890-3420-87	SW-24	Total/NA	Solid	Total BTEX	
890-3420-88	SW-25	Total/NA	Solid	Total BTEX	
890-3420-89	SW-26	Total/NA	Solid	Total BTEX	
890-3420-90	SW-27	Total/NA	Solid	Total BTEX	
890-3420-91	SW-28	Total/NA	Solid	Total BTEX	
890-3420-92	SW-29	Total/NA	Solid	Total BTEX	
890-3420-93	SW-30	Total/NA	Solid	Total BTEX	
890-3420-94	SW-31	Total/NA	Solid	Total BTEX	
890-3420-95	SW-32	Total/NA	Solid	Total BTEX	
890-3420-96	SW-33	Total/NA	Solid	Total BTEX	
890-3420-97	SW-34	Total/NA	Solid	Total BTEX	
890-3420-98	SW-35	Total/NA	Solid	Total BTEX	
890-3420-99	SW-36	Total/NA	Solid	Total BTEX	
890-3420-100	SW-37	Total/NA	Solid	Total BTEX	
890-3420-101	SW-38	Total/NA	Solid	Total BTEX	
890-3420-102	SW39	Total/NA	Solid	Total BTEX	
890-3420-103	SW-40	Total/NA	Solid	Total BTEX	
890-3420-104	SW-41	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-105	SW-42	Total/NA	Solid	Total BTEX	

Analysis Batch: 39664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Total/NA	Solid	8021B	39258
890-3420-62	BH-62	Total/NA	Solid	8021B	39258
890-3420-63	BH-63	Total/NA	Solid	8021B	39258
890-3420-64	SW-1	Total/NA	Solid	8021B	39258
890-3420-65	SW-2	Total/NA	Solid	8021B	39258
890-3420-66	SW-3	Total/NA	Solid	8021B	39258
890-3420-67	SW-4	Total/NA	Solid	8021B	39258
890-3420-68	SW-5	Total/NA	Solid	8021B	39258
890-3420-69	SW-6	Total/NA	Solid	8021B	39258
890-3420-70	SW-7	Total/NA	Solid	8021B	39258
890-3420-71	SW-8	Total/NA	Solid	8021B	39258
890-3420-72	SW-9	Total/NA	Solid	8021B	39258
890-3420-73	SW-10	Total/NA	Solid	8021B	39258
890-3420-74	SW-11	Total/NA	Solid	8021B	39258
890-3420-75	SW-12	Total/NA	Solid	8021B	39258
890-3420-76	SW-13	Total/NA	Solid	8021B	39258
890-3420-77	SW-14	Total/NA	Solid	8021B	39258
890-3420-78	SW-15	Total/NA	Solid	8021B	39258
890-3420-79	SW-16	Total/NA	Solid	8021B	39258
890-3420-80	SW-17	Total/NA	Solid	8021B	39258
MB 880-39258/5-A	Method Blank	Total/NA	Solid	8021B	39258
LCS 880-39258/1-A	Lab Control Sample	Total/NA	Solid	8021B	39258
LCSD 880-39258/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39258
890-3420-61 MS	BH-61	Total/NA	Solid	8021B	39258
890-3420-61 MSD	BH-61	Total/NA	Solid	8021B	39258

Analysis Batch: 39686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-39	BH-39	Total/NA	Solid	8021B	39713
890-3420-40	BH-40	Total/NA	Solid	8021B	39713
890-3420-81	SW-18	Total/NA	Solid	8021B	39259
890-3420-82	SW-19	Total/NA	Solid	8021B	39259
890-3420-83	SW-20	Total/NA	Solid	8021B	39259
890-3420-84	SW-21	Total/NA	Solid	8021B	39259
890-3420-85	SW-22	Total/NA	Solid	8021B	39259
890-3420-86	SW-23	Total/NA	Solid	8021B	39259
890-3420-87	SW-24	Total/NA	Solid	8021B	39259
890-3420-88	SW-25	Total/NA	Solid	8021B	39259
890-3420-89	SW-26	Total/NA	Solid	8021B	39259
890-3420-90	SW-27	Total/NA	Solid	8021B	39259
890-3420-91	SW-28	Total/NA	Solid	8021B	39259
890-3420-92	SW-29	Total/NA	Solid	8021B	39259
890-3420-93	SW-30	Total/NA	Solid	8021B	39259
890-3420-94	SW-31	Total/NA	Solid	8021B	39259
890-3420-95	SW-32	Total/NA	Solid	8021B	39259
890-3420-96	SW-33	Total/NA	Solid	8021B	39259
890-3420-97	SW-34	Total/NA	Solid	8021B	39259

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 39686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-98	SW-35	Total/NA	Solid	8021B	39259
890-3420-99	SW-36	Total/NA	Solid	8021B	39259
890-3420-100	SW-37	Total/NA	Solid	8021B	39259
MB 880-39259/5-A	Method Blank	Total/NA	Solid	8021B	39259
MB 880-39713/5-A	Method Blank	Total/NA	Solid	8021B	39713
LCS 880-39259/1-A	Lab Control Sample	Total/NA	Solid	8021B	39259
LCS 880-39713/1-A	Lab Control Sample	Total/NA	Solid	8021B	39713
LCSD 880-39259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39259
LCSD 880-39713/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39713
890-3420-81 MS	SW-18	Total/NA	Solid	8021B	39259
890-3420-81 MSD	SW-18	Total/NA	Solid	8021B	39259

Prep Batch: 39713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-39	BH-39	Total/NA	Solid	5035	
890-3420-40	BH-40	Total/NA	Solid	5035	
MB 880-39713/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39713/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39713/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 39246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	8015NM Prep	
890-3420-2	BH-2	Total/NA	Solid	8015NM Prep	
890-3420-3	BH-3	Total/NA	Solid	8015NM Prep	
890-3420-4	BH-4	Total/NA	Solid	8015NM Prep	
890-3420-5	BH-5	Total/NA	Solid	8015NM Prep	
890-3420-6	BH-6	Total/NA	Solid	8015NM Prep	
890-3420-7	BH-7	Total/NA	Solid	8015NM Prep	
890-3420-8	BH-8	Total/NA	Solid	8015NM Prep	
890-3420-9	BH-9	Total/NA	Solid	8015NM Prep	
890-3420-10	BH-10	Total/NA	Solid	8015NM Prep	
890-3420-11	BH-11	Total/NA	Solid	8015NM Prep	
890-3420-12	BH-12	Total/NA	Solid	8015NM Prep	
890-3420-13	BH-13	Total/NA	Solid	8015NM Prep	
890-3420-14	BH-14	Total/NA	Solid	8015NM Prep	
890-3420-15	BH-15	Total/NA	Solid	8015NM Prep	
890-3420-16	BH-16	Total/NA	Solid	8015NM Prep	
890-3420-17	BH-17	Total/NA	Solid	8015NM Prep	
890-3420-18	BH-18	Total/NA	Solid	8015NM Prep	
890-3420-19	BH-19	Total/NA	Solid	8015NM Prep	
890-3420-20	BH-20	Total/NA	Solid	8015NM Prep	
MB 880-39246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3420-1 MS	BH-1	Total/NA	Solid	8015NM Prep	
890-3420-1 MSD	BH-1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 39247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Total/NA	Solid	8015NM Prep	
890-3420-22	BH-22	Total/NA	Solid	8015NM Prep	
890-3420-23	BH-23	Total/NA	Solid	8015NM Prep	
890-3420-24	BH-24	Total/NA	Solid	8015NM Prep	
890-3420-25	BH-25	Total/NA	Solid	8015NM Prep	
890-3420-26	BH-26	Total/NA	Solid	8015NM Prep	
890-3420-27	BH-27	Total/NA	Solid	8015NM Prep	
890-3420-28	BH-28	Total/NA	Solid	8015NM Prep	
890-3420-29	BH-29	Total/NA	Solid	8015NM Prep	
890-3420-30	BH-30	Total/NA	Solid	8015NM Prep	
890-3420-31	BH-31	Total/NA	Solid	8015NM Prep	
890-3420-32	BH-32	Total/NA	Solid	8015NM Prep	
890-3420-33	BH-33	Total/NA	Solid	8015NM Prep	
890-3420-34	BH-34	Total/NA	Solid	8015NM Prep	
890-3420-35	BH-35	Total/NA	Solid	8015NM Prep	
890-3420-36	BH-36	Total/NA	Solid	8015NM Prep	
890-3420-37	BH-37	Total/NA	Solid	8015NM Prep	
890-3420-38	BH-38	Total/NA	Solid	8015NM Prep	
890-3420-39	BH-39	Total/NA	Solid	8015NM Prep	
890-3420-40	BH-40	Total/NA	Solid	8015NM Prep	
MB 880-39247/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39247/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39247/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3420-21 MS	BH-21	Total/NA	Solid	8015NM Prep	
890-3420-21 MSD	BH-21	Total/NA	Solid	8015NM Prep	

Prep Batch: 39253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Total/NA	Solid	8015NM Prep	
890-3420-42	BH-42	Total/NA	Solid	8015NM Prep	
890-3420-43	BH-43	Total/NA	Solid	8015NM Prep	
890-3420-44	BH-44	Total/NA	Solid	8015NM Prep	
890-3420-45	BH-45	Total/NA	Solid	8015NM Prep	
890-3420-46	BH-46	Total/NA	Solid	8015NM Prep	
890-3420-47	BH-47	Total/NA	Solid	8015NM Prep	
890-3420-48	BH-48	Total/NA	Solid	8015NM Prep	
890-3420-49	BH-49	Total/NA	Solid	8015NM Prep	
890-3420-50	BH-50	Total/NA	Solid	8015NM Prep	
890-3420-51	BH-51	Total/NA	Solid	8015NM Prep	
890-3420-52	BH-52	Total/NA	Solid	8015NM Prep	
890-3420-53	BH-53	Total/NA	Solid	8015NM Prep	
890-3420-54	BH-54	Total/NA	Solid	8015NM Prep	
890-3420-55	BH-55	Total/NA	Solid	8015NM Prep	
890-3420-56	BH-56	Total/NA	Solid	8015NM Prep	
890-3420-57	BH-57	Total/NA	Solid	8015NM Prep	
890-3420-58	BH-58	Total/NA	Solid	8015NM Prep	
890-3420-59	BH-59	Total/NA	Solid	8015NM Prep	
890-3420-60	BH-60	Total/NA	Solid	8015NM Prep	
MB 880-39253/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39253/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 39253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41 MS	BH-41	Total/NA	Solid	8015NM Prep	
890-3420-41 MSD	BH-41	Total/NA	Solid	8015NM Prep	

Prep Batch: 39255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Total/NA	Solid	8015NM Prep	
890-3420-62	BH-62	Total/NA	Solid	8015NM Prep	
890-3420-63	BH-63	Total/NA	Solid	8015NM Prep	
890-3420-64	SW-1	Total/NA	Solid	8015NM Prep	
890-3420-65	SW-2	Total/NA	Solid	8015NM Prep	
890-3420-66	SW-3	Total/NA	Solid	8015NM Prep	
890-3420-67	SW-4	Total/NA	Solid	8015NM Prep	
890-3420-68	SW-5	Total/NA	Solid	8015NM Prep	
890-3420-69	SW-6	Total/NA	Solid	8015NM Prep	
890-3420-70	SW-7	Total/NA	Solid	8015NM Prep	
890-3420-71	SW-8	Total/NA	Solid	8015NM Prep	
890-3420-72	SW-9	Total/NA	Solid	8015NM Prep	
890-3420-73	SW-10	Total/NA	Solid	8015NM Prep	
890-3420-74	SW-11	Total/NA	Solid	8015NM Prep	
890-3420-75	SW-12	Total/NA	Solid	8015NM Prep	
890-3420-76	SW-13	Total/NA	Solid	8015NM Prep	
890-3420-77	SW-14	Total/NA	Solid	8015NM Prep	
890-3420-78	SW-15	Total/NA	Solid	8015NM Prep	
890-3420-79	SW-16	Total/NA	Solid	8015NM Prep	
890-3420-80	SW-17	Total/NA	Solid	8015NM Prep	
MB 880-39255/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39255/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3420-62 MS	BH-62	Total/NA	Solid	8015NM Prep	
890-3420-62 MSD	BH-62	Total/NA	Solid	8015NM Prep	

Prep Batch: 39261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81	SW-18	Total/NA	Solid	8015NM Prep	
890-3420-82	SW-19	Total/NA	Solid	8015NM Prep	
890-3420-83	SW-20	Total/NA	Solid	8015NM Prep	
890-3420-84	SW-21	Total/NA	Solid	8015NM Prep	
890-3420-85	SW-22	Total/NA	Solid	8015NM Prep	
890-3420-86	SW-23	Total/NA	Solid	8015NM Prep	
890-3420-87	SW-24	Total/NA	Solid	8015NM Prep	
890-3420-88	SW-25	Total/NA	Solid	8015NM Prep	
890-3420-89	SW-26	Total/NA	Solid	8015NM Prep	
890-3420-90	SW-27	Total/NA	Solid	8015NM Prep	
890-3420-91	SW-28	Total/NA	Solid	8015NM Prep	
890-3420-92	SW-29	Total/NA	Solid	8015NM Prep	
890-3420-93	SW-30	Total/NA	Solid	8015NM Prep	
890-3420-94	SW-31	Total/NA	Solid	8015NM Prep	
890-3420-95	SW-32	Total/NA	Solid	8015NM Prep	
890-3420-96	SW-33	Total/NA	Solid	8015NM Prep	
890-3420-97	SW-34	Total/NA	Solid	8015NM Prep	
890-3420-98	SW-35	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 39261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-99	SW-36	Total/NA	Solid	8015NM Prep	
890-3420-100	SW-37	Total/NA	Solid	8015NM Prep	
MB 880-39261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3420-81 MS	SW-18	Total/NA	Solid	8015NM Prep	
890-3420-81 MSD	SW-18	Total/NA	Solid	8015NM Prep	

Prep Batch: 39262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-101	SW-38	Total/NA	Solid	8015NM Prep	
890-3420-102	SW39	Total/NA	Solid	8015NM Prep	
890-3420-103	SW-40	Total/NA	Solid	8015NM Prep	
890-3420-104	SW-41	Total/NA	Solid	8015NM Prep	
MB 880-39262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21411-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21411-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Total/NA	Solid	8015B NM	39253
890-3420-42	BH-42	Total/NA	Solid	8015B NM	39253
890-3420-43	BH-43	Total/NA	Solid	8015B NM	39253
890-3420-44	BH-44	Total/NA	Solid	8015B NM	39253
890-3420-45	BH-45	Total/NA	Solid	8015B NM	39253
890-3420-46	BH-46	Total/NA	Solid	8015B NM	39253
890-3420-47	BH-47	Total/NA	Solid	8015B NM	39253
890-3420-48	BH-48	Total/NA	Solid	8015B NM	39253
890-3420-49	BH-49	Total/NA	Solid	8015B NM	39253
890-3420-50	BH-50	Total/NA	Solid	8015B NM	39253
890-3420-51	BH-51	Total/NA	Solid	8015B NM	39253
890-3420-52	BH-52	Total/NA	Solid	8015B NM	39253
890-3420-53	BH-53	Total/NA	Solid	8015B NM	39253
890-3420-54	BH-54	Total/NA	Solid	8015B NM	39253
890-3420-55	BH-55	Total/NA	Solid	8015B NM	39253
890-3420-56	BH-56	Total/NA	Solid	8015B NM	39253
890-3420-57	BH-57	Total/NA	Solid	8015B NM	39253
890-3420-58	BH-58	Total/NA	Solid	8015B NM	39253
890-3420-59	BH-59	Total/NA	Solid	8015B NM	39253
890-3420-60	BH-60	Total/NA	Solid	8015B NM	39253
MB 880-39253/1-A	Method Blank	Total/NA	Solid	8015B NM	39253
LCS 880-39253/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39253
LCSD 880-39253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39253
890-3420-41 MS	BH-41	Total/NA	Solid	8015B NM	39253
890-3420-41 MSD	BH-41	Total/NA	Solid	8015B NM	39253

Analysis Batch: 39273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	8015B NM	39246

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-2	BH-2	Total/NA	Solid	8015B NM	39246
890-3420-3	BH-3	Total/NA	Solid	8015B NM	39246
890-3420-4	BH-4	Total/NA	Solid	8015B NM	39246
890-3420-5	BH-5	Total/NA	Solid	8015B NM	39246
890-3420-6	BH-6	Total/NA	Solid	8015B NM	39246
890-3420-7	BH-7	Total/NA	Solid	8015B NM	39246
890-3420-8	BH-8	Total/NA	Solid	8015B NM	39246
890-3420-9	BH-9	Total/NA	Solid	8015B NM	39246
890-3420-10	BH-10	Total/NA	Solid	8015B NM	39246
890-3420-11	BH-11	Total/NA	Solid	8015B NM	39246
890-3420-12	BH-12	Total/NA	Solid	8015B NM	39246
890-3420-13	BH-13	Total/NA	Solid	8015B NM	39246
890-3420-14	BH-14	Total/NA	Solid	8015B NM	39246
890-3420-15	BH-15	Total/NA	Solid	8015B NM	39246
890-3420-16	BH-16	Total/NA	Solid	8015B NM	39246
890-3420-17	BH-17	Total/NA	Solid	8015B NM	39246
890-3420-18	BH-18	Total/NA	Solid	8015B NM	39246
890-3420-19	BH-19	Total/NA	Solid	8015B NM	39246
890-3420-20	BH-20	Total/NA	Solid	8015B NM	39246
MB 880-39246/1-A	Method Blank	Total/NA	Solid	8015B NM	39246
LCS 880-39246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39246
LCSD 880-39246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39246
890-3420-1 MS	BH-1	Total/NA	Solid	8015B NM	39246
890-3420-1 MSD	BH-1	Total/NA	Solid	8015B NM	39246

Analysis Batch: 39275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Total/NA	Solid	8015B NM	39247
890-3420-22	BH-22	Total/NA	Solid	8015B NM	39247
890-3420-23	BH-23	Total/NA	Solid	8015B NM	39247
890-3420-24	BH-24	Total/NA	Solid	8015B NM	39247
890-3420-25	BH-25	Total/NA	Solid	8015B NM	39247
890-3420-26	BH-26	Total/NA	Solid	8015B NM	39247
890-3420-27	BH-27	Total/NA	Solid	8015B NM	39247
890-3420-28	BH-28	Total/NA	Solid	8015B NM	39247
890-3420-29	BH-29	Total/NA	Solid	8015B NM	39247
890-3420-30	BH-30	Total/NA	Solid	8015B NM	39247
890-3420-31	BH-31	Total/NA	Solid	8015B NM	39247
890-3420-32	BH-32	Total/NA	Solid	8015B NM	39247
890-3420-33	BH-33	Total/NA	Solid	8015B NM	39247
890-3420-34	BH-34	Total/NA	Solid	8015B NM	39247
890-3420-35	BH-35	Total/NA	Solid	8015B NM	39247
890-3420-36	BH-36	Total/NA	Solid	8015B NM	39247
890-3420-37	BH-37	Total/NA	Solid	8015B NM	39247
890-3420-38	BH-38	Total/NA	Solid	8015B NM	39247
890-3420-39	BH-39	Total/NA	Solid	8015B NM	39247
890-3420-40	BH-40	Total/NA	Solid	8015B NM	39247
MB 880-39247/1-A	Method Blank	Total/NA	Solid	8015B NM	39247
LCS 880-39247/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39247
LCSD 880-39247/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39247
890-3420-21 MS	BH-21	Total/NA	Solid	8015B NM	39247

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21 MSD	BH-21	Total/NA	Solid	8015B NM	39247

Prep Batch: 39298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-105	SW-42	Total/NA	Solid	8015NM Prep	
MB 880-39298/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39298/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3422-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3422-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81	SW-18	Total/NA	Solid	8015B NM	39261
890-3420-82	SW-19	Total/NA	Solid	8015B NM	39261
890-3420-83	SW-20	Total/NA	Solid	8015B NM	39261
890-3420-84	SW-21	Total/NA	Solid	8015B NM	39261
890-3420-85	SW-22	Total/NA	Solid	8015B NM	39261
890-3420-86	SW-23	Total/NA	Solid	8015B NM	39261
890-3420-87	SW-24	Total/NA	Solid	8015B NM	39261
890-3420-88	SW-25	Total/NA	Solid	8015B NM	39261
890-3420-89	SW-26	Total/NA	Solid	8015B NM	39261
890-3420-90	SW-27	Total/NA	Solid	8015B NM	39261
890-3420-91	SW-28	Total/NA	Solid	8015B NM	39261
890-3420-92	SW-29	Total/NA	Solid	8015B NM	39261
890-3420-93	SW-30	Total/NA	Solid	8015B NM	39261
890-3420-94	SW-31	Total/NA	Solid	8015B NM	39261
890-3420-95	SW-32	Total/NA	Solid	8015B NM	39261
890-3420-96	SW-33	Total/NA	Solid	8015B NM	39261
890-3420-97	SW-34	Total/NA	Solid	8015B NM	39261
890-3420-98	SW-35	Total/NA	Solid	8015B NM	39261
890-3420-99	SW-36	Total/NA	Solid	8015B NM	39261
890-3420-100	SW-37	Total/NA	Solid	8015B NM	39261
MB 880-39261/1-A	Method Blank	Total/NA	Solid	8015B NM	39261
LCS 880-39261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39261
LCSD 880-39261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39261
890-3420-81 MS	SW-18	Total/NA	Solid	8015B NM	39261
890-3420-81 MSD	SW-18	Total/NA	Solid	8015B NM	39261

Analysis Batch: 39364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Total/NA	Solid	8015B NM	39255
890-3420-62	BH-62	Total/NA	Solid	8015B NM	39255
890-3420-63	BH-63	Total/NA	Solid	8015B NM	39255
890-3420-64	SW-1	Total/NA	Solid	8015B NM	39255
890-3420-65	SW-2	Total/NA	Solid	8015B NM	39255
890-3420-66	SW-3	Total/NA	Solid	8015B NM	39255
890-3420-67	SW-4	Total/NA	Solid	8015B NM	39255
890-3420-68	SW-5	Total/NA	Solid	8015B NM	39255
890-3420-69	SW-6	Total/NA	Solid	8015B NM	39255
890-3420-70	SW-7	Total/NA	Solid	8015B NM	39255

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-71	SW-8	Total/NA	Solid	8015B NM	39255
890-3420-72	SW-9	Total/NA	Solid	8015B NM	39255
890-3420-73	SW-10	Total/NA	Solid	8015B NM	39255
890-3420-74	SW-11	Total/NA	Solid	8015B NM	39255
890-3420-75	SW-12	Total/NA	Solid	8015B NM	39255
890-3420-76	SW-13	Total/NA	Solid	8015B NM	39255
890-3420-77	SW-14	Total/NA	Solid	8015B NM	39255
890-3420-78	SW-15	Total/NA	Solid	8015B NM	39255
890-3420-79	SW-16	Total/NA	Solid	8015B NM	39255
890-3420-80	SW-17	Total/NA	Solid	8015B NM	39255
MB 880-39255/1-A	Method Blank	Total/NA	Solid	8015B NM	39255
LCS 880-39255/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39255
LCSD 880-39255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39255
890-3420-62 MS	BH-62	Total/NA	Solid	8015B NM	39255
890-3420-62 MSD	BH-62	Total/NA	Solid	8015B NM	39255

Analysis Batch: 39366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-101	SW-38	Total/NA	Solid	8015B NM	39262
890-3420-102	SW39	Total/NA	Solid	8015B NM	39262
890-3420-103	SW-40	Total/NA	Solid	8015B NM	39262
890-3420-104	SW-41	Total/NA	Solid	8015B NM	39262
MB 880-39262/1-A	Method Blank	Total/NA	Solid	8015B NM	39262
LCS 880-39262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39262
LCSD 880-39262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39262
880-21411-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	39262
880-21411-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	39262

Analysis Batch: 39373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-105	SW-42	Total/NA	Solid	8015B NM	39298
MB 880-39298/1-A	Method Blank	Total/NA	Solid	8015B NM	39298
LCS 880-39298/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39298
LCSD 880-39298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39298
890-3422-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	39298
890-3422-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	39298

Analysis Batch: 39410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Total/NA	Solid	8015 NM	
890-3420-2	BH-2	Total/NA	Solid	8015 NM	
890-3420-3	BH-3	Total/NA	Solid	8015 NM	
890-3420-4	BH-4	Total/NA	Solid	8015 NM	
890-3420-5	BH-5	Total/NA	Solid	8015 NM	
890-3420-6	BH-6	Total/NA	Solid	8015 NM	
890-3420-7	BH-7	Total/NA	Solid	8015 NM	
890-3420-8	BH-8	Total/NA	Solid	8015 NM	
890-3420-9	BH-9	Total/NA	Solid	8015 NM	
890-3420-10	BH-10	Total/NA	Solid	8015 NM	
890-3420-11	BH-11	Total/NA	Solid	8015 NM	
890-3420-12	BH-12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-13	BH-13	Total/NA	Solid	8015 NM	
890-3420-14	BH-14	Total/NA	Solid	8015 NM	
890-3420-15	BH-15	Total/NA	Solid	8015 NM	
890-3420-16	BH-16	Total/NA	Solid	8015 NM	
890-3420-17	BH-17	Total/NA	Solid	8015 NM	
890-3420-18	BH-18	Total/NA	Solid	8015 NM	
890-3420-19	BH-19	Total/NA	Solid	8015 NM	
890-3420-20	BH-20	Total/NA	Solid	8015 NM	
890-3420-21	BH-21	Total/NA	Solid	8015 NM	
890-3420-22	BH-22	Total/NA	Solid	8015 NM	
890-3420-23	BH-23	Total/NA	Solid	8015 NM	
890-3420-24	BH-24	Total/NA	Solid	8015 NM	
890-3420-25	BH-25	Total/NA	Solid	8015 NM	
890-3420-26	BH-26	Total/NA	Solid	8015 NM	
890-3420-27	BH-27	Total/NA	Solid	8015 NM	
890-3420-28	BH-28	Total/NA	Solid	8015 NM	
890-3420-29	BH-29	Total/NA	Solid	8015 NM	
890-3420-30	BH-30	Total/NA	Solid	8015 NM	
890-3420-31	BH-31	Total/NA	Solid	8015 NM	
890-3420-32	BH-32	Total/NA	Solid	8015 NM	
890-3420-33	BH-33	Total/NA	Solid	8015 NM	
890-3420-34	BH-34	Total/NA	Solid	8015 NM	
890-3420-35	BH-35	Total/NA	Solid	8015 NM	
890-3420-36	BH-36	Total/NA	Solid	8015 NM	
890-3420-37	BH-37	Total/NA	Solid	8015 NM	
890-3420-38	BH-38	Total/NA	Solid	8015 NM	
890-3420-39	BH-39	Total/NA	Solid	8015 NM	
890-3420-40	BH-40	Total/NA	Solid	8015 NM	
890-3420-41	BH-41	Total/NA	Solid	8015 NM	
890-3420-42	BH-42	Total/NA	Solid	8015 NM	
890-3420-43	BH-43	Total/NA	Solid	8015 NM	
890-3420-44	BH-44	Total/NA	Solid	8015 NM	
890-3420-45	BH-45	Total/NA	Solid	8015 NM	
890-3420-46	BH-46	Total/NA	Solid	8015 NM	
890-3420-47	BH-47	Total/NA	Solid	8015 NM	
890-3420-48	BH-48	Total/NA	Solid	8015 NM	
890-3420-49	BH-49	Total/NA	Solid	8015 NM	
890-3420-50	BH-50	Total/NA	Solid	8015 NM	
890-3420-51	BH-51	Total/NA	Solid	8015 NM	
890-3420-52	BH-52	Total/NA	Solid	8015 NM	
890-3420-53	BH-53	Total/NA	Solid	8015 NM	
890-3420-54	BH-54	Total/NA	Solid	8015 NM	
890-3420-55	BH-55	Total/NA	Solid	8015 NM	
890-3420-56	BH-56	Total/NA	Solid	8015 NM	
890-3420-57	BH-57	Total/NA	Solid	8015 NM	
890-3420-58	BH-58	Total/NA	Solid	8015 NM	
890-3420-59	BH-59	Total/NA	Solid	8015 NM	
890-3420-60	BH-60	Total/NA	Solid	8015 NM	
890-3420-61	BH-61	Total/NA	Solid	8015 NM	
890-3420-62	BH-62	Total/NA	Solid	8015 NM	
890-3420-63	BH-63	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-64	SW-1	Total/NA	Solid	8015 NM	
890-3420-65	SW-2	Total/NA	Solid	8015 NM	
890-3420-66	SW-3	Total/NA	Solid	8015 NM	
890-3420-67	SW-4	Total/NA	Solid	8015 NM	
890-3420-68	SW-5	Total/NA	Solid	8015 NM	
890-3420-69	SW-6	Total/NA	Solid	8015 NM	
890-3420-70	SW-7	Total/NA	Solid	8015 NM	
890-3420-71	SW-8	Total/NA	Solid	8015 NM	
890-3420-72	SW-9	Total/NA	Solid	8015 NM	
890-3420-73	SW-10	Total/NA	Solid	8015 NM	
890-3420-74	SW-11	Total/NA	Solid	8015 NM	
890-3420-75	SW-12	Total/NA	Solid	8015 NM	
890-3420-76	SW-13	Total/NA	Solid	8015 NM	
890-3420-77	SW-14	Total/NA	Solid	8015 NM	
890-3420-78	SW-15	Total/NA	Solid	8015 NM	
890-3420-79	SW-16	Total/NA	Solid	8015 NM	
890-3420-80	SW-17	Total/NA	Solid	8015 NM	
890-3420-81	SW-18	Total/NA	Solid	8015 NM	
890-3420-82	SW-19	Total/NA	Solid	8015 NM	
890-3420-83	SW-20	Total/NA	Solid	8015 NM	
890-3420-84	SW-21	Total/NA	Solid	8015 NM	
890-3420-85	SW-22	Total/NA	Solid	8015 NM	
890-3420-86	SW-23	Total/NA	Solid	8015 NM	
890-3420-87	SW-24	Total/NA	Solid	8015 NM	
890-3420-88	SW-25	Total/NA	Solid	8015 NM	
890-3420-89	SW-26	Total/NA	Solid	8015 NM	
890-3420-90	SW-27	Total/NA	Solid	8015 NM	
890-3420-91	SW-28	Total/NA	Solid	8015 NM	
890-3420-92	SW-29	Total/NA	Solid	8015 NM	
890-3420-93	SW-30	Total/NA	Solid	8015 NM	
890-3420-94	SW-31	Total/NA	Solid	8015 NM	
890-3420-95	SW-32	Total/NA	Solid	8015 NM	
890-3420-96	SW-33	Total/NA	Solid	8015 NM	
890-3420-97	SW-34	Total/NA	Solid	8015 NM	
890-3420-98	SW-35	Total/NA	Solid	8015 NM	
890-3420-99	SW-36	Total/NA	Solid	8015 NM	
890-3420-100	SW-37	Total/NA	Solid	8015 NM	
890-3420-101	SW-38	Total/NA	Solid	8015 NM	
890-3420-102	SW39	Total/NA	Solid	8015 NM	
890-3420-103	SW-40	Total/NA	Solid	8015 NM	
890-3420-104	SW-41	Total/NA	Solid	8015 NM	
890-3420-105	SW-42	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-101	SW-38	Soluble	Solid	DI Leach	
890-3420-102	SW39	Soluble	Solid	DI Leach	
890-3420-103	SW-40	Soluble	Solid	DI Leach	
890-3420-104	SW-41	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 39126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-105	SW-42	Soluble	Solid	DI Leach	
MB 880-39126/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39126/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39126/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3402-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3402-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 39289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Soluble	Solid	DI Leach	
890-3420-2	BH-2	Soluble	Solid	DI Leach	
890-3420-3	BH-3	Soluble	Solid	DI Leach	
890-3420-4	BH-4	Soluble	Solid	DI Leach	
890-3420-5	BH-5	Soluble	Solid	DI Leach	
890-3420-6	BH-6	Soluble	Solid	DI Leach	
890-3420-7	BH-7	Soluble	Solid	DI Leach	
890-3420-8	BH-8	Soluble	Solid	DI Leach	
890-3420-9	BH-9	Soluble	Solid	DI Leach	
890-3420-10	BH-10	Soluble	Solid	DI Leach	
890-3420-11	BH-11	Soluble	Solid	DI Leach	
890-3420-12	BH-12	Soluble	Solid	DI Leach	
890-3420-13	BH-13	Soluble	Solid	DI Leach	
890-3420-14	BH-14	Soluble	Solid	DI Leach	
890-3420-15	BH-15	Soluble	Solid	DI Leach	
890-3420-16	BH-16	Soluble	Solid	DI Leach	
890-3420-17	BH-17	Soluble	Solid	DI Leach	
890-3420-18	BH-18	Soluble	Solid	DI Leach	
890-3420-19	BH-19	Soluble	Solid	DI Leach	
890-3420-20	BH-20	Soluble	Solid	DI Leach	
MB 880-39289/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39289/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39289/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3420-1 MS	BH-1	Soluble	Solid	DI Leach	
890-3420-1 MSD	BH-1	Soluble	Solid	DI Leach	
890-3420-11 MS	BH-11	Soluble	Solid	DI Leach	
890-3420-11 MSD	BH-11	Soluble	Solid	DI Leach	

Leach Batch: 39290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Soluble	Solid	DI Leach	
890-3420-22	BH-22	Soluble	Solid	DI Leach	
890-3420-23	BH-23	Soluble	Solid	DI Leach	
890-3420-24	BH-24	Soluble	Solid	DI Leach	
890-3420-25	BH-25	Soluble	Solid	DI Leach	
890-3420-26	BH-26	Soluble	Solid	DI Leach	
890-3420-27	BH-27	Soluble	Solid	DI Leach	
890-3420-28	BH-28	Soluble	Solid	DI Leach	
890-3420-29	BH-29	Soluble	Solid	DI Leach	
890-3420-30	BH-30	Soluble	Solid	DI Leach	
890-3420-31	BH-31	Soluble	Solid	DI Leach	
890-3420-32	BH-32	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 39290 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-33	BH-33	Soluble	Solid	DI Leach	
890-3420-34	BH-34	Soluble	Solid	DI Leach	
890-3420-35	BH-35	Soluble	Solid	DI Leach	
890-3420-36	BH-36	Soluble	Solid	DI Leach	
890-3420-37	BH-37	Soluble	Solid	DI Leach	
890-3420-38	BH-38	Soluble	Solid	DI Leach	
890-3420-39	BH-39	Soluble	Solid	DI Leach	
890-3420-40	BH-40	Soluble	Solid	DI Leach	
MB 880-39290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3420-21 MS	BH-21	Soluble	Solid	DI Leach	
890-3420-21 MSD	BH-21	Soluble	Solid	DI Leach	
890-3420-31 MS	BH-31	Soluble	Solid	DI Leach	
890-3420-31 MSD	BH-31	Soluble	Solid	DI Leach	

Leach Batch: 39292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Soluble	Solid	DI Leach	
890-3420-42	BH-42	Soluble	Solid	DI Leach	
890-3420-43	BH-43	Soluble	Solid	DI Leach	
890-3420-44	BH-44	Soluble	Solid	DI Leach	
890-3420-45	BH-45	Soluble	Solid	DI Leach	
890-3420-46	BH-46	Soluble	Solid	DI Leach	
890-3420-47	BH-47	Soluble	Solid	DI Leach	
890-3420-48	BH-48	Soluble	Solid	DI Leach	
890-3420-49	BH-49	Soluble	Solid	DI Leach	
890-3420-50	BH-50	Soluble	Solid	DI Leach	
890-3420-51	BH-51	Soluble	Solid	DI Leach	
890-3420-52	BH-52	Soluble	Solid	DI Leach	
890-3420-53	BH-53	Soluble	Solid	DI Leach	
890-3420-54	BH-54	Soluble	Solid	DI Leach	
890-3420-55	BH-55	Soluble	Solid	DI Leach	
890-3420-56	BH-56	Soluble	Solid	DI Leach	
890-3420-57	BH-57	Soluble	Solid	DI Leach	
890-3420-58	BH-58	Soluble	Solid	DI Leach	
890-3420-59	BH-59	Soluble	Solid	DI Leach	
890-3420-60	BH-60	Soluble	Solid	DI Leach	
MB 880-39292/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39292/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39292/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3420-41 MS	BH-41	Soluble	Solid	DI Leach	
890-3420-41 MSD	BH-41	Soluble	Solid	DI Leach	
890-3420-51 MS	BH-51	Soluble	Solid	DI Leach	
890-3420-51 MSD	BH-51	Soluble	Solid	DI Leach	

Leach Batch: 39293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Soluble	Solid	DI Leach	
890-3420-62	BH-62	Soluble	Solid	DI Leach	
890-3420-63	BH-63	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 39293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-64	SW-1	Soluble	Solid	DI Leach	
890-3420-65	SW-2	Soluble	Solid	DI Leach	
890-3420-66	SW-3	Soluble	Solid	DI Leach	
890-3420-67	SW-4	Soluble	Solid	DI Leach	
890-3420-68	SW-5	Soluble	Solid	DI Leach	
890-3420-69	SW-6	Soluble	Solid	DI Leach	
890-3420-70	SW-7	Soluble	Solid	DI Leach	
890-3420-71	SW-8	Soluble	Solid	DI Leach	
890-3420-72	SW-9	Soluble	Solid	DI Leach	
890-3420-73	SW-10	Soluble	Solid	DI Leach	
890-3420-74	SW-11	Soluble	Solid	DI Leach	
890-3420-75	SW-12	Soluble	Solid	DI Leach	
890-3420-76	SW-13	Soluble	Solid	DI Leach	
890-3420-77	SW-14	Soluble	Solid	DI Leach	
890-3420-78	SW-15	Soluble	Solid	DI Leach	
890-3420-79	SW-16	Soluble	Solid	DI Leach	
890-3420-80	SW-17	Soluble	Solid	DI Leach	
MB 880-39293/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39293/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39293/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3420-61 MS	BH-61	Soluble	Solid	DI Leach	
890-3420-61 MSD	BH-61	Soluble	Solid	DI Leach	
890-3420-71 MS	SW-8	Soluble	Solid	DI Leach	
890-3420-71 MSD	SW-8	Soluble	Solid	DI Leach	

Leach Batch: 39294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81	SW-18	Soluble	Solid	DI Leach	
890-3420-82	SW-19	Soluble	Solid	DI Leach	
890-3420-83	SW-20	Soluble	Solid	DI Leach	
890-3420-84	SW-21	Soluble	Solid	DI Leach	
890-3420-85	SW-22	Soluble	Solid	DI Leach	
890-3420-86	SW-23	Soluble	Solid	DI Leach	
890-3420-87	SW-24	Soluble	Solid	DI Leach	
890-3420-88	SW-25	Soluble	Solid	DI Leach	
890-3420-89	SW-26	Soluble	Solid	DI Leach	
890-3420-90	SW-27	Soluble	Solid	DI Leach	
890-3420-91	SW-28	Soluble	Solid	DI Leach	
890-3420-92	SW-29	Soluble	Solid	DI Leach	
890-3420-93	SW-30	Soluble	Solid	DI Leach	
890-3420-94	SW-31	Soluble	Solid	DI Leach	
890-3420-95	SW-32	Soluble	Solid	DI Leach	
890-3420-96	SW-33	Soluble	Solid	DI Leach	
890-3420-97	SW-34	Soluble	Solid	DI Leach	
890-3420-98	SW-35	Soluble	Solid	DI Leach	
890-3420-99	SW-36	Soluble	Solid	DI Leach	
890-3420-100	SW-37	Soluble	Solid	DI Leach	
MB 880-39294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3420-81 MS	SW-18	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 39294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81 MSD	SW-18	Soluble	Solid	DI Leach	
890-3420-91 MS	SW-28	Soluble	Solid	DI Leach	
890-3420-91 MSD	SW-28	Soluble	Solid	DI Leach	

Analysis Batch: 39335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-101	SW-38	Soluble	Solid	300.0	39126
890-3420-102	SW39	Soluble	Solid	300.0	39126
890-3420-103	SW-40	Soluble	Solid	300.0	39126
890-3420-104	SW-41	Soluble	Solid	300.0	39126
890-3420-105	SW-42	Soluble	Solid	300.0	39126
MB 880-39126/1-A	Method Blank	Soluble	Solid	300.0	39126
LCS 880-39126/2-A	Lab Control Sample	Soluble	Solid	300.0	39126
LCSD 880-39126/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39126
890-3402-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	39126
890-3402-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	39126

Analysis Batch: 39518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-1	BH-1	Soluble	Solid	300.0	39289
890-3420-2	BH-2	Soluble	Solid	300.0	39289
890-3420-3	BH-3	Soluble	Solid	300.0	39289
890-3420-4	BH-4	Soluble	Solid	300.0	39289
890-3420-5	BH-5	Soluble	Solid	300.0	39289
890-3420-6	BH-6	Soluble	Solid	300.0	39289
890-3420-7	BH-7	Soluble	Solid	300.0	39289
890-3420-8	BH-8	Soluble	Solid	300.0	39289
890-3420-9	BH-9	Soluble	Solid	300.0	39289
890-3420-10	BH-10	Soluble	Solid	300.0	39289
890-3420-11	BH-11	Soluble	Solid	300.0	39289
890-3420-12	BH-12	Soluble	Solid	300.0	39289
890-3420-13	BH-13	Soluble	Solid	300.0	39289
890-3420-14	BH-14	Soluble	Solid	300.0	39289
890-3420-15	BH-15	Soluble	Solid	300.0	39289
890-3420-16	BH-16	Soluble	Solid	300.0	39289
890-3420-17	BH-17	Soluble	Solid	300.0	39289
890-3420-18	BH-18	Soluble	Solid	300.0	39289
890-3420-19	BH-19	Soluble	Solid	300.0	39289
890-3420-20	BH-20	Soluble	Solid	300.0	39289
MB 880-39289/1-A	Method Blank	Soluble	Solid	300.0	39289
LCS 880-39289/2-A	Lab Control Sample	Soluble	Solid	300.0	39289
LCSD 880-39289/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39289
890-3420-1 MS	BH-1	Soluble	Solid	300.0	39289
890-3420-1 MSD	BH-1	Soluble	Solid	300.0	39289
890-3420-11 MS	BH-11	Soluble	Solid	300.0	39289
890-3420-11 MSD	BH-11	Soluble	Solid	300.0	39289

Analysis Batch: 39531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-21	BH-21	Soluble	Solid	300.0	39290
890-3420-22	BH-22	Soluble	Solid	300.0	39290

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 39531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-23	BH-23	Soluble	Solid	300.0	39290
890-3420-24	BH-24	Soluble	Solid	300.0	39290
890-3420-25	BH-25	Soluble	Solid	300.0	39290
890-3420-26	BH-26	Soluble	Solid	300.0	39290
890-3420-27	BH-27	Soluble	Solid	300.0	39290
890-3420-28	BH-28	Soluble	Solid	300.0	39290
890-3420-29	BH-29	Soluble	Solid	300.0	39290
890-3420-30	BH-30	Soluble	Solid	300.0	39290
890-3420-31	BH-31	Soluble	Solid	300.0	39290
890-3420-32	BH-32	Soluble	Solid	300.0	39290
890-3420-33	BH-33	Soluble	Solid	300.0	39290
890-3420-34	BH-34	Soluble	Solid	300.0	39290
890-3420-35	BH-35	Soluble	Solid	300.0	39290
890-3420-36	BH-36	Soluble	Solid	300.0	39290
890-3420-37	BH-37	Soluble	Solid	300.0	39290
890-3420-38	BH-38	Soluble	Solid	300.0	39290
890-3420-39	BH-39	Soluble	Solid	300.0	39290
890-3420-40	BH-40	Soluble	Solid	300.0	39290
MB 880-39290/1-A	Method Blank	Soluble	Solid	300.0	39290
LCS 880-39290/2-A	Lab Control Sample	Soluble	Solid	300.0	39290
LCSD 880-39290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39290
890-3420-21 MS	BH-21	Soluble	Solid	300.0	39290
890-3420-21 MSD	BH-21	Soluble	Solid	300.0	39290
890-3420-31 MS	BH-31	Soluble	Solid	300.0	39290
890-3420-31 MSD	BH-31	Soluble	Solid	300.0	39290

Analysis Batch: 39538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41	BH-41	Soluble	Solid	300.0	39292
890-3420-42	BH-42	Soluble	Solid	300.0	39292
890-3420-43	BH-43	Soluble	Solid	300.0	39292
890-3420-44	BH-44	Soluble	Solid	300.0	39292
890-3420-45	BH-45	Soluble	Solid	300.0	39292
890-3420-46	BH-46	Soluble	Solid	300.0	39292
890-3420-47	BH-47	Soluble	Solid	300.0	39292
890-3420-48	BH-48	Soluble	Solid	300.0	39292
890-3420-49	BH-49	Soluble	Solid	300.0	39292
890-3420-50	BH-50	Soluble	Solid	300.0	39292
890-3420-51	BH-51	Soluble	Solid	300.0	39292
890-3420-52	BH-52	Soluble	Solid	300.0	39292
890-3420-53	BH-53	Soluble	Solid	300.0	39292
890-3420-54	BH-54	Soluble	Solid	300.0	39292
890-3420-55	BH-55	Soluble	Solid	300.0	39292
890-3420-56	BH-56	Soluble	Solid	300.0	39292
890-3420-57	BH-57	Soluble	Solid	300.0	39292
890-3420-58	BH-58	Soluble	Solid	300.0	39292
890-3420-59	BH-59	Soluble	Solid	300.0	39292
890-3420-60	BH-60	Soluble	Solid	300.0	39292
MB 880-39292/1-A	Method Blank	Soluble	Solid	300.0	39292
LCS 880-39292/2-A	Lab Control Sample	Soluble	Solid	300.0	39292
LCSD 880-39292/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39292

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 39538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-41 MS	BH-41	Soluble	Solid	300.0	39292
890-3420-41 MSD	BH-41	Soluble	Solid	300.0	39292
890-3420-51 MS	BH-51	Soluble	Solid	300.0	39292
890-3420-51 MSD	BH-51	Soluble	Solid	300.0	39292

Analysis Batch: 39539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-81	SW-18	Soluble	Solid	300.0	39294
890-3420-82	SW-19	Soluble	Solid	300.0	39294
890-3420-83	SW-20	Soluble	Solid	300.0	39294
890-3420-84	SW-21	Soluble	Solid	300.0	39294
890-3420-85	SW-22	Soluble	Solid	300.0	39294
890-3420-86	SW-23	Soluble	Solid	300.0	39294
890-3420-87	SW-24	Soluble	Solid	300.0	39294
890-3420-88	SW-25	Soluble	Solid	300.0	39294
890-3420-89	SW-26	Soluble	Solid	300.0	39294
890-3420-90	SW-27	Soluble	Solid	300.0	39294
890-3420-91	SW-28	Soluble	Solid	300.0	39294
890-3420-92	SW-29	Soluble	Solid	300.0	39294
890-3420-93	SW-30	Soluble	Solid	300.0	39294
890-3420-94	SW-31	Soluble	Solid	300.0	39294
890-3420-95	SW-32	Soluble	Solid	300.0	39294
890-3420-96	SW-33	Soluble	Solid	300.0	39294
890-3420-97	SW-34	Soluble	Solid	300.0	39294
890-3420-98	SW-35	Soluble	Solid	300.0	39294
890-3420-99	SW-36	Soluble	Solid	300.0	39294
890-3420-100	SW-37	Soluble	Solid	300.0	39294
MB 880-39294/1-A	Method Blank	Soluble	Solid	300.0	39294
LCS 880-39294/2-A	Lab Control Sample	Soluble	Solid	300.0	39294
LCSD 880-39294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39294
890-3420-81 MS	SW-18	Soluble	Solid	300.0	39294
890-3420-81 MSD	SW-18	Soluble	Solid	300.0	39294
890-3420-91 MS	SW-28	Soluble	Solid	300.0	39294
890-3420-91 MSD	SW-28	Soluble	Solid	300.0	39294

Analysis Batch: 39540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-61	BH-61	Soluble	Solid	300.0	39293
890-3420-62	BH-62	Soluble	Solid	300.0	39293
890-3420-63	BH-63	Soluble	Solid	300.0	39293
890-3420-64	SW-1	Soluble	Solid	300.0	39293
890-3420-65	SW-2	Soluble	Solid	300.0	39293
890-3420-66	SW-3	Soluble	Solid	300.0	39293
890-3420-67	SW-4	Soluble	Solid	300.0	39293
890-3420-68	SW-5	Soluble	Solid	300.0	39293
890-3420-69	SW-6	Soluble	Solid	300.0	39293
890-3420-70	SW-7	Soluble	Solid	300.0	39293
890-3420-71	SW-8	Soluble	Solid	300.0	39293
890-3420-72	SW-9	Soluble	Solid	300.0	39293
890-3420-73	SW-10	Soluble	Solid	300.0	39293
890-3420-74	SW-11	Soluble	Solid	300.0	39293

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 39540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3420-75	SW-12	Soluble	Solid	300.0	39293
890-3420-76	SW-13	Soluble	Solid	300.0	39293
890-3420-77	SW-14	Soluble	Solid	300.0	39293
890-3420-78	SW-15	Soluble	Solid	300.0	39293
890-3420-79	SW-16	Soluble	Solid	300.0	39293
890-3420-80	SW-17	Soluble	Solid	300.0	39293
MB 880-39293/1-A	Method Blank	Soluble	Solid	300.0	39293
LCS 880-39293/2-A	Lab Control Sample	Soluble	Solid	300.0	39293
LCSD 880-39293/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39293
890-3420-61 MS	BH-61	Soluble	Solid	300.0	39293
890-3420-61 MSD	BH-61	Soluble	Solid	300.0	39293
890-3420-71 MS	SW-8	Soluble	Solid	300.0	39293
890-3420-71 MSD	SW-8	Soluble	Solid	300.0	39293

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-1

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 03:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/11/22 21:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 14:02	CH	EET MID

Client Sample ID: BH-2

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-2

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			4.99 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 01:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/11/22 22:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 14:24	CH	EET MID

Client Sample ID: BH-3

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-3

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			4.96 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/11/22 23:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 14:31	CH	EET MID

Client Sample ID: BH-4

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-4

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	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-4

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-4

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			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/11/22 23:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 14:38	CH	EET MID

Client Sample ID: BH-5

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-5

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			5.05 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 03:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 00:29	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 14:45	CH	EET MID

Client Sample ID: BH-6

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-6

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			4.96 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 03:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:07	CH	EET MID

Client Sample ID: BH-7

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-7

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	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 04:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 00:50	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-7
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-7
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	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:14	CH	EET MID

Client Sample ID: BH-8
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-8
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			5.04 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:21	CH	EET MID

Client Sample ID: BH-9
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:28	CH	EET MID

Client Sample ID: BH-10
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 01:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:35	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-11

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 15:42	CH	EET MID

Client Sample ID: BH-12

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 07:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:04	CH	EET MID

Client Sample ID: BH-13

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 08:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 02:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:11	CH	EET MID

Client Sample ID: BH-14

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 08:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-14
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-14
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			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:32	CH	EET MID

Client Sample ID: BH-15
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 09:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 04:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:39	CH	EET MID

Client Sample ID: BH-16
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-16
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			5.03 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/11/22 23:44	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:47	CH	EET MID

Client Sample ID: BH-17
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-17
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			5.01 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 06:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 00:06	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-17
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-17
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			5.02 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 16:54	CH	EET MID

Client Sample ID: BH-18
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-18
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			4.99 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 06:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 05:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 17:01	CH	EET MID

Client Sample ID: BH-19
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-19
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			5.02 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	39393	11/15/22 09:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 03:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 17:08	CH	EET MID

Client Sample ID: BH-20
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39254	11/10/22 14:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39393	11/15/22 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 10:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39246	11/10/22 13:36	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39273	11/12/22 01:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39289	11/11/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1			39518	11/14/22 17:15	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-21
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-21
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			4.99 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/11/22 21:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 22:22	CH	EET MID

Client Sample ID: BH-22
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 05:13	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		5			39531	11/14/22 22:43	CH	EET MID

Client Sample ID: BH-23
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-23
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			5.02 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 22:50	CH	EET MID

Client Sample ID: BH-24
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-24
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	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-24
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-24
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			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/11/22 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 22:57	CH	EET MID

Client Sample ID: BH-25
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-25
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			4.97 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/11/22 23:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:05	CH	EET MID

Client Sample ID: BH-26
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-26
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			5.02 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 03:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:26	CH	EET MID

Client Sample ID: BH-27
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-27
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			5.03 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 03:24	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-27
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-27
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	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:33	CH	EET MID

Client Sample ID: BH-28
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-28
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			5.01 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:40	CH	EET MID

Client Sample ID: BH-29
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-29
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			4.97 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	39581	11/16/22 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 01:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:48	CH	EET MID

Client Sample ID: BH-30
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/11/22 23:23	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/14/22 23:55	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-31
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-31
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	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 06:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 02:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 00:02	CH	EET MID

Client Sample ID: BH-32
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-32
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			5.00 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 06:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 00:23	CH	EET MID

Client Sample ID: BH-33
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-33
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			4.97 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 07:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 05:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 00:30	CH	EET MID

Client Sample ID: BH-34
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-34
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			4.95 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 07:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-34
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-34
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			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 01:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 00:52	CH	EET MID

Client Sample ID: BH-35
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-35
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			5.01 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 07:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 04:08	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 00:59	CH	EET MID

Client Sample ID: BH-36
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-36
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			5.02 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 08:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 00:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 01:06	CH	EET MID

Client Sample ID: BH-37
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-37
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			5.03 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 08:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/11/22 23:44	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-37
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-37
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 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 01:13	CH	EET MID

Client Sample ID: BH-38
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-38
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			5.01 g	5 mL	39256	11/10/22 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39581	11/16/22 09:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 00:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 01:20	CH	EET MID

Client Sample ID: BH-39
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-39
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			5.01 g	5 mL	39713	11/16/22 10:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/17/22 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 00:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 01:27	CH	EET MID

Client Sample ID: BH-40
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-40
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			4.99 g	5 mL	39713	11/16/22 10:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/17/22 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39247	11/10/22 13:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39275	11/12/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39290	11/11/22 09:17	KS	EET MID
Soluble	Analysis	300.0		1			39531	11/15/22 01:35	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-41

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-41

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			4.97 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 02:32	CH	EET MID

Client Sample ID: BH-42

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-42

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			4.95 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 02:53	CH	EET MID

Client Sample ID: BH-43

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-43

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			5.01 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 02:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:00	CH	EET MID

Client Sample ID: BH-44

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-44

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			5.03 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-44
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-44
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			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 01:23	SM	EET MID
Soluble	Leach	DI Leach			499 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:07	CH	EET MID

Client Sample ID: BH-45
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-45
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			5.01 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:14	CH	EET MID

Client Sample ID: BH-46
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-46
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			5.02 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:36	CH	EET MID

Client Sample ID: BH-47
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-47
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			5.03 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 02:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 01:45	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-47
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-47
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			5.04 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:43	CH	EET MID

Client Sample ID: BH-48
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-48
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			4.98 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 02:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 03:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:50	CH	EET MID

Client Sample ID: BH-49
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-49
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			5.02 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 02:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 01:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 03:57	CH	EET MID

Client Sample ID: BH-50
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 03:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 05:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 04:04	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-51
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 05:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 04:11	CH	EET MID

Client Sample ID: BH-52
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 23:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 04:33	CH	EET MID

Client Sample ID: BH-53
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 04:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 04:40	CH	EET MID

Client Sample ID: BH-54
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-54
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-54
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-54
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			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 02:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:01	CH	EET MID

Client Sample ID: BH-55
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-55
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 04:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:09	CH	EET MID

Client Sample ID: BH-56
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-56
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 06:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 03:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:16	CH	EET MID

Client Sample ID: BH-57
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-57
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 23:59	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-57
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:23	CH	EET MID

Client Sample ID: BH-58
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-58
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 04:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:30	CH	EET MID

Client Sample ID: BH-59
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-59
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 00:20	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:37	CH	EET MID

Client Sample ID: BH-60
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-60
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	39257	11/10/22 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/16/22 07:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39253	11/10/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/12/22 00:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39292	11/11/22 09:18	KS	EET MID
Soluble	Analysis	300.0		1			39538	11/15/22 05:44	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: BH-61
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-61
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 05:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 09:25	CH	EET MID

Client Sample ID: BH-62
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-62
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 21:09	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 09:46	CH	EET MID

Client Sample ID: BH-63
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-63
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 22:15	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 09:54	CH	EET MID

Client Sample ID: SW-1
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-64
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-1

Lab Sample ID: 890-3420-64
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 22:37	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:01	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-3420-65
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 23:00	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:08	CH	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-3420-66
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 23:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:29	CH	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-3420-67
Matrix: Solid
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 23:43	AJ	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-4
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-67
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	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:36	CH	EET MID

Client Sample ID: SW-5
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-68
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 03:40	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:43	CH	EET MID

Client Sample ID: SW-6
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-69
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 04:45	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:51	CH	EET MID

Client Sample ID: SW-7
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-70
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 03:19	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 10:58	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-8
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-71
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 00:05	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 11:05	CH	EET MID

Client Sample ID: SW-9
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-72
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 00:27	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 11:26	CH	EET MID

Client Sample ID: SW-10
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-73
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 00:48	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 11:33	CH	EET MID

Client Sample ID: SW-11
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-74
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-11
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-74
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			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 01:10	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 11:55	CH	EET MID

Client Sample ID: SW-12
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-75
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 01:53	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:02	CH	EET MID

Client Sample ID: SW-13
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-76
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 02:14	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:09	CH	EET MID

Client Sample ID: SW-14
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-77
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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 02:36	AJ	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-14

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-77

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	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:16	CH	EET MID

Client Sample ID: SW-15

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-78

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 04:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:23	CH	EET MID

Client Sample ID: SW-16

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-79

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 02:57	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:30	CH	EET MID

Client Sample ID: SW-17

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-80

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	39258	11/10/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39664	11/16/22 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 10:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39255	11/10/22 14:46	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/13/22 04:02	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39293	11/11/22 09:19	KS	EET MID
Soluble	Analysis	300.0		1			39540	11/15/22 12:38	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-18

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-81

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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 21:07	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:13	CH	EET MID

Client Sample ID: SW-19

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-82

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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 22:10	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:28	CH	EET MID

Client Sample ID: SW-20

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-83

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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 22:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:33	CH	EET MID

Client Sample ID: SW-21

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-84

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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 15:21	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-21
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-84
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			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 02:58	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:38	CH	EET MID

Client Sample ID: SW-22
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-85
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 03:18	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:43	CH	EET MID

Client Sample ID: SW-23
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-86
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 03:39	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 04:58	CH	EET MID

Client Sample ID: SW-24
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-87
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/16/22 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 03:59	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-24

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-87
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:03	CH	EET MID

Client Sample ID: SW-25

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-88
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 22:53	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:08	CH	EET MID

Client Sample ID: SW-26

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-89
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 04:19	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:13	CH	EET MID

Client Sample ID: SW-27

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-90
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 02:38	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:17	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-28
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-91
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 18:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 23:14	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:22	CH	EET MID

Client Sample ID: SW-29
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-92
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 23:35	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:37	CH	EET MID

Client Sample ID: SW-30
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-93
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/12/22 23:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:42	CH	EET MID

Client Sample ID: SW-31
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-94
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-31
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-94
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			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 00:16	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 05:57	CH	EET MID

Client Sample ID: SW-32
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-95
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 01:57	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:02	CH	EET MID

Client Sample ID: SW-33
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-96
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 20:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 02:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:07	CH	EET MID

Client Sample ID: SW-34
Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-97
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 20:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 00:36	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-34

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-97
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:12	CH	EET MID

Client Sample ID: SW-35

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-98
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 21:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 00:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:17	CH	EET MID

Client Sample ID: SW-36

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-99
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 01:37	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:22	CH	EET MID

Client Sample ID: SW-37

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-100
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	39259	11/10/22 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39686	11/16/22 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/17/22 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39261	11/10/22 15:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39360	11/13/22 04:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39294	11/11/22 09:21	KS	EET MID
Soluble	Analysis	300.0		1			39539	11/15/22 06:27	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-38

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-101

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	39517	11/14/22 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 11:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 04:23	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39126	11/09/22 15:04	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	39335	11/12/22 04:40	CH	EET MID

Client Sample ID: SW39

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-102

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	39517	11/14/22 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 04:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39126	11/09/22 15:04	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	39335	11/12/22 04:55	CH	EET MID

Client Sample ID: SW-40

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-103

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	39517	11/14/22 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 05:07	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39126	11/09/22 15:04	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	39335	11/12/22 05:00	CH	EET MID

Client Sample ID: SW-41

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-104

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	39517	11/14/22 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 15:10	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Client Sample ID: SW-41

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-104

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			39410	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 03:40	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39126	11/09/22 15:04	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	39335	11/12/22 05:05	CH	EET MID

Client Sample ID: SW-42

Date Collected: 11/07/22 12:00
Date Received: 11/08/22 16:02

Lab Sample ID: 890-3420-105

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	39517	11/14/22 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39576	11/15/22 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39615	11/15/22 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			39410	11/14/22 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39298	11/11/22 09:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39373	11/13/22 14:41	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39126	11/09/22 15:04	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	39335	11/12/22 05:10	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 271

Job ID: 890-3420-1
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.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
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 271

Job ID: 890-3420-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3420-1	BH-1	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-2	BH-2	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-3	BH-3	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-4	BH-4	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-5	BH-5	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-6	BH-6	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-7	BH-7	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-8	BH-8	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-9	BH-9	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-10	BH-10	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-11	BH-11	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-12	BH-12	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-13	BH-13	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-14	BH-14	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-15	BH-15	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-16	BH-16	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-17	BH-17	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-18	BH-18	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-19	BH-19	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-20	BH-20	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-21	BH-21	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-22	BH-22	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-23	BH-23	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-24	BH-24	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-25	BH-25	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-26	BH-26	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-27	BH-27	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-28	BH-28	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-29	BH-29	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-30	BH-30	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-31	BH-31	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-32	BH-32	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-33	BH-33	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-34	BH-34	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-35	BH-35	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-36	BH-36	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-37	BH-37	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-38	BH-38	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-39	BH-39	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-40	BH-40	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-41	BH-41	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-42	BH-42	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-43	BH-43	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-44	BH-44	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-45	BH-45	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-46	BH-46	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-47	BH-47	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-48	BH-48	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-49	BH-49	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-50	BH-50	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-51	BH-51	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-52	BH-52	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-53	BH-53	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-54	BH-54	Solid	11/07/22 12:00	11/08/22 16:02

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3420-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3420-55	BH-55	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-56	BH-56	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-57	BH-57	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-58	BH-58	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-59	BH-59	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-60	BH-60	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-61	BH-61	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-62	BH-62	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-63	BH-63	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-64	SW-1	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-65	SW-2	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-66	SW-3	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-67	SW-4	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-68	SW-5	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-69	SW-6	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-70	SW-7	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-71	SW-8	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-72	SW-9	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-73	SW-10	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-74	SW-11	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-75	SW-12	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-76	SW-13	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-77	SW-14	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-78	SW-15	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-79	SW-16	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-80	SW-17	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-81	SW-18	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-82	SW-19	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-83	SW-20	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-84	SW-21	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-85	SW-22	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-86	SW-23	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-87	SW-24	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-88	SW-25	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-89	SW-26	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-90	SW-27	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-91	SW-28	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-92	SW-29	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-93	SW-30	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-94	SW-31	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-95	SW-32	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-96	SW-33	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-97	SW-34	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-98	SW-35	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-99	SW-36	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-100	SW-37	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-101	SW-38	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-102	SW39	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-103	SW-40	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-104	SW-41	Solid	11/07/22 12:00	11/08/22 16:02
890-3420-105	SW-42	Solid	11/07/22 12:00	11/08/22 16:02

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Analysis Request of Chain of Custody Record

890-3420 Chain of Custody

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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
	BH-1	11/7/2022			x				x					x		x												x							
	BH-2	11/7/2022			x				x					x		x												x							
	BH-3	11/7/2022			x				x					x		x												x							
	BH-4	11/7/2022			x				x					x		x												x							
	BH-5	11/7/2022			x				x					x		x												x							
	BH-6	11/7/2022			X				X					X		X												X							
	BH-7	11/7/2022			X				X					X		X												X							
	BH-8	11/7/2022			X				X					X		X												X							
	BH-9	11/7/2022			X				X					X		X												X							
	BH-10	11/7/2022			X				X					X		X												X							

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stut Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
18.2
18.0
TNM-007
-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 #:

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Received by OCD: 6/29/2023 9:35:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-11	11/7/2022			x			x				x		x												x				
	BH-12	11/7/2022			x			x				x		x												x				
	BH-13	11/7/2022			x			x				x		x												x				
	BH-14	11/7/2022			x			x				x		x												x				
	BH-15	11/7/2022			x			x				x		x												x				
	BH-16	11/7/2022			X			X				X		X												X				
	BH-17	11/7/2022			X			X				X		X												X				
	BH-18	11/7/2022			X			X				X		X												X				
	BH-19	11/7/2022			X			X				X		X												X				
	BH-20	11/7/2022			X			X				X		X												X				

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuff Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: 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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Hold
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Received by OCD: 6/29/2023 9:25:08 AM

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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
	BH-21	11/7/2022			x			x			x		x												x				
	BH-22	11/7/2022			x			x			x		x												x				
	BH-23	11/7/2022			x			x			x		x												x				
	BH-24	11/7/2022			x			x			x		x												x				
	BH-25	11/7/2022			x			x			x		x												x				
	BH-26	11/7/2022			X			X			X		X												X				
	BH-27	11/7/2022			X			X			X		X												X				
	BH-28	11/7/2022			X			X			X		X												X				
	BH-29	11/7/2022			X			X			X		X												X				
	BH-30	11/7/2022			X			X			X		X												X				

Relinquished by:	Miguel A Flores	Date: 11/8/22	Time:
Relinquished by:	Amanda Stuf	Date: 11/8/22	Time: 1602
Relinquished by:		Date:	Time:
Received by:		Date:	Time:
Received by:		Date:	Time:

LAB USE ONLY
Sample Temperature
P91

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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Received by OCD: 6/29/2023 9:35:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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 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	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-31	11/7/2022			x				x					x		x												x							
	BH-32	11/7/2022			x				x					x		x												x							
	BH-33	11/7/2022			x				x					x		x												x							
	BH-34	11/7/2022			x				x					x		x												x							
	BH-35	11/7/2022			x				x					x		x												x							
	BH-36	11/7/2022			X				X					X		X												X							
	BH-37	11/7/2022			X				X					X		X												X							
	BH-38	11/7/2022			X				X					X		X												X							
	BH-39	11/7/2022			X				X					X		X												X							
	BH-40	11/7/2022			X				X					X		X												X							

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Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuft Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY
Sample Temperature
PG 1

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

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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
	BH-41	11/7/2022			x				x					x		x												x							
	BH-42	11/7/2022			x				x					x		x												x							
	BH-43	11/7/2022			x				x					x		x												x							
	BH-44	11/7/2022			x				x					x		x												x							
	BH-45	11/7/2022			x				x					x		x												x							
	BH-46	11/7/2022			X				X					X		X												X							
	BH-47	11/7/2022			X				X					X		X												X							
	BH-48	11/7/2022			X				X					X		X												X							
	BH-49	11/7/2022			X				X					X		X												X							
	BH-50	11/7/2022			X				X					X		X												X							

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuy Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature: Pg 1

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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Received by OCD: 9/29/2023 9:25:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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
	BH-51	11/7/2022			x				x					x		x												x							
	BH-52	11/7/2022			x				x					x		x												x							
	BH-53	11/7/2022			x				x					x		x												x							
	BH-54	11/7/2022			x				x					x		x												x							
	BH-55	11/7/2022			x				x					x		x												x							
	BH-56	11/7/2022			X				X					X		X												X							
	BH-57	11/7/2022			X				X					X		X												X							
	BH-58	11/7/2022			X				X					X		X												X							
	BH-59	11/7/2022			X				X					X		X												X							
	BH-60	11/7/2022			X				X					X		X												X							

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuft Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received 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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Received by OCD: 6/29/2023 9:25:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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
	BH-61	11/7/2022			x				x					x		x												x							
	BH-62	11/7/2022			x				x					x		x												x							
	BH-63	11/7/2022			x				x					x		x												x							
	SW-1	11/7/2022			x				x					x		x												x							
	SW-2	11/7/2022			x				x					x		x												x							
	SW-3	11/7/2022			X				X					X		X												X							
	SW-4	11/7/2022			X				X					X		X												X							
	SW-5	11/7/2022			X				X					X		X												X							
	SW-6	11/7/2022			X				X					X		X												X							
	SW-7	11/7/2022			X				X					X		X												X							

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuy Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature: PGL

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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Received by OCD: 6/29/2023 9:25:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	SW-8	11/7/2022			x				x					x		x												x				
	SW-9	11/7/2022			x				x					x		x												x				
	SW-10	11/7/2022			x				x					x		x												x				
	SW-11	11/7/2022			x				x					x		x												x				
	SW-12	11/7/2022			x				x					x		x												x				
	SW-13	11/7/2022			X				X					X		X												X				
	SW-14	11/7/2022			X				X					X		X												X				
	SW-15	11/7/2022			X				X					X		X												X				
	SW-16	11/7/2022			X				X					X		X												X				
	SW-17	11/7/2022			X				X					X		X												X				

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Miranda Short Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY
Sample Temperature
Pg 1

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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Received by OCD: 6/29/2023 9:25:08 AM

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-18	11/7/2022			x				x					x		x												x								
	SW-19	11/7/2022			x				x					x		x												x								
	SW-20	11/7/2022			x				x					x		x												x								
	SW-21	11/7/2022			x				x					x		x												x								
	SW-22	11/7/2022			x				x					x		x												x								
	SW-23	11/7/2022			X				X					X		X												X								
	SW-24	11/7/2022			X				X					X		X												X								
	SW-25	11/7/2022			X				X					X		X												X								
	SW-26	11/7/2022			X				X					X		X												X								
	SW-27	11/7/2022			X				X					X		X												X								

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stutz Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature

Pg 1

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	SW-28	11/7/2022			x				x					x		x												x								
	SW-29	11/7/2022			x				x					x		x												x								
	SW-30	11/7/2022			x				x					x		x												x								
	SW-31	11/7/2022			x				x					x		x												x								
	SW-32	11/7/2022			x				x					x		x												x								
	SW-33	11/7/2022			X				X					X		X												X								
	SW-34	11/7/2022			X				X					X		X												X								
	SW-35	11/7/2022			X				X					X		X												X								
	SW-36	11/7/2022			X				X					X		X												X								
	SW-37	11/7/2022			X				X					X		X												X								

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Amanda Stuff Date: 11/8/22 Time: 1602

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY
Sample Temperature
PG

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

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Analysis Request of Chain of Custody Record

11/7/2022

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-38	11/7/2022			x				x					x		x												x								
	SW-39	11/7/2022			x				x					x		x												x								
	SW-40	11/7/2022			x				x					x		x												x								
	SW-41	11/7/2022			x				x					x		x												x								
	SW-42	11/7/2022			x				x					x		x												x								

Relinquished by: Miguel A Flores Date: 11/8/22 Time:

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY
Sample Temperature
PG

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3420-1
SDG Number: Lea County NM

Login Number: 3420
List Number: 1
Creator: Stutzman, Amanda

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: 890-3420-1
SDG Number: Lea County NM

Login Number: 3420
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/10/22 10:49 AM

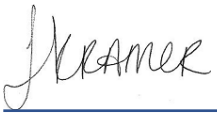
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Clair Gonzales
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Generated 1/13/2023 10:49:36 AM

JOB DESCRIPTION

JR Oil - MLMU 271
SDG NUMBER Lea County NM

JOB NUMBER

890-3761-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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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

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1/13/2023 10:49:36 AM

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 271

Laboratory Job ID: 890-3761-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 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: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Job ID: 890-3761-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3761-1

Receipt
The samples were received on 1/4/2023 2:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-64 (6') (890-3761-1), BH-65 (4') (890-3761-2), BH-66 (4') (890-3761-3), BH-67 (4') (890-3761-4), BH-68 (4') (890-3761-5), BH-69 (4') (890-3761-6), BH-70 (6') (890-3761-7), BH-71 (6') (890-3761-8), BH-72 (6') (890-3761-9), BH-73 (6') (890-3761-10), BH-74 (7') (890-3761-11), BH-75 (7') (890-3761-12), BH-76 (3') (890-3761-13), BH-77 (7') (890-3761-14), BH-78 (7') (890-3761-15), BH-79 (6') (890-3761-16), BH-80 (6') (890-3761-17), BH-81 (6') (890-3761-18), BH-82 (6') (890-3761-19), BH-83 (6') (890-3761-20), BH-84 (6') (890-3761-21), SW-43 (890-3761-22), SW-44 (890-3761-23), SW-45 (890-3761-24), SW-46 (890-3761-25), SW-47 (890-3761-26), SW-48 (890-3761-27), SW-49 (890-3761-28), SW-50 (890-3761-29), SW-51 (890-3761-30), SW-52 (890-3761-31), SW-53 (890-3761-32), SW-54 (890-3761-33), SW-55 (890-3761-34), SW-56 (890-3761-35), SW-57 (890-3761-36), SW-58 (890-3761-37), SW-59 (890-3761-38), SW-60 (890-3761-39), SW-61 (890-3761-40), BH-6 (4') (890-3761-41), BH-7 (6') (890-3761-42), BH-8 (4') (890-3761-43), BH-9 (6') (890-3761-44), BH-10 (6') (890-3761-45), BH-11 (4') (890-3761-46), BH-12 (4') (890-3761-47), BH-13 (4') (890-3761-48), BH-15 (4') (890-3761-49), BH-17 (4') (890-3761-50), BH-18 (4') (890-3761-51), BH-19 (4') (890-3761-52), BH-20 (4') (890-3761-53), BH-21 (4') (890-3761-54), BH-22 (4') (890-3761-55), BH-23 (4') (890-3761-56), BH-24 (4') (890-3761-57), BH-25 (4') (890-3761-58), BH-26 (4') (890-3761-59), BH-27 (4') (890-3761-60), BH-28 (6') (890-3761-61), BH-29 (4') (890-3761-62), BH-31 (7.5') (890-3761-63), BH-42 (4.5') (890-3761-64), BH-43 (4.5') (890-3761-65), BH-44 (4.5') (890-3761-66), BH-49 (6') (890-3761-67), BH-50 (4') (890-3761-68), BH-51 (6') (890-3761-69), BH-53 (4') (890-3761-70), BH-54 (6') (890-3761-71), BH-55 (5') (890-3761-72), BH-56 (3') (890-3761-73), BH-58 (3') (890-3761-74), BH-14 (4') (890-3761-75), SW-5 (890-3761-76), SW-6 (890-3761-77), SW-7 (890-3761-78), SW-15 (890-3761-79), SW-17 (890-3761-80), SW-21 (890-3761-81), SW-22 (890-3761-82), SW-23 (890-3761-83), SW-24 (890-3761-84), SW-26 (890-3761-85), SW-27 (890-3761-86), SW-32 (890-3761-87), SW-33 (890-3761-88), SW-37 (890-3761-89), SW-38 (890-3761-90), SW-39 (890-3761-91), SW-40 (890-3761-92) and SW-42 (890-3761-93).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-21 (4') (890-3761-54). 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-24 (4') (890-3761-57), BH-25 (4') (890-3761-58) and BH-26 (4') (890-3761-59). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-43509 and analytical batch 880-43695 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43507 and analytical batch 880-43470 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43506 and analytical batch 880-43468 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: The laboratory control sample (LCS) associated with preparation batch 880-43510 and analytical batch 880-43646 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-43 (890-3761-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

Job ID: 890-3761-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43508 and analytical batch 880-43598 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 sample was outside control limits: BH-67 (4') (890-3761-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-43506 and analytical batch 880-43468 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-32 (890-3761-87), SW-38 (890-3761-90) and (MB 880-43510/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-68 (4') (890-3761-5), BH-79 (6') (890-3761-16) and BH-81 (6') (890-3761-18). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43417 and analytical batch 880-43458 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-43405 and analytical batch 880-43452 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43405 and analytical batch 880-43452 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-49 (890-3761-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-43403 and analytical batch 880-43454 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43403 and analytical batch 880-43454 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-71 (6') (890-3761-8). 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 880-43401 and analytical batch 880-43315 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43402 and analytical batch 880-43317 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43413 and analytical batch 880-43623 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because

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Case Narrative

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Job ID: 890-3761-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43411 and analytical batch 880-43621 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: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-43411 and analytical batch 880-43621 were ran straight. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43407 and analytical batch 880-43617 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 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-64 (6')

Lab Sample ID: 890-3761-1
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202		mg/Kg		01/09/23 10:35	01/10/23 02:16	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		01/09/23 10:35	01/10/23 02:16	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		01/09/23 10:35	01/10/23 02:16	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		01/09/23 10:35	01/10/23 02:16	1
o-Xylene	<0.00202	U F2 F1	0.00202		mg/Kg		01/09/23 10:35	01/10/23 02:16	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		01/09/23 10:35	01/10/23 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:35*	*01/10/23 02:16*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:35*	*01/10/23 02:16*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1750**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 22:20	1
Diesel Range Organics (Over C10-C28)	**1750**		49.9		mg/Kg		01/06/23 13:51	01/06/23 22:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*01/06/23 13:51*	*01/06/23 22:20*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/06/23 13:51*	*01/06/23 22:20*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		5.03		mg/Kg			01/10/23 18:40	1

Client Sample ID: BH-65 (4')

Lab Sample ID: 890-3761-2
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:35	01/10/23 02:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 02:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 02:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 02:42	1
o-Xylene	**0.00268**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 02:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/09/23 10:35*	*01/10/23 02:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-65 (4')

Lab Sample ID: 890-3761-2
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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*	*01/09/23 10:35*	*01/10/23 02:42*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**638**		49.8		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/06/23 13:51	01/06/23 22:41	1
Diesel Range Organics (Over C10-C28)	**638**		49.8		mg/Kg		01/06/23 13:51	01/06/23 22:41	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 13:51	01/06/23 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/06/23 13:51*	*01/06/23 22:41*	*1*
o-Terphenyl	*102*		*70 - 130*	*01/06/23 13:51*	*01/06/23 22:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		5.00		mg/Kg			01/10/23 22:21	1

Client Sample ID: BH-66 (4')

Lab Sample ID: 890-3761-3
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:35	01/10/23 03:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 03:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 03:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:35	01/10/23 03:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 03:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:35	01/10/23 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*01/09/23 10:35*	*01/10/23 03:09*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/09/23 10:35*	*01/10/23 03:09*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**896**		49.9		mg/Kg			01/09/23 11:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-66 (4')

Lab Sample ID: 890-3761-3
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 23:04	1
Diesel Range Organics (Over C10-C28)	**896**		49.9		mg/Kg		01/06/23 13:51	01/06/23 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:04*	*1*
o-Terphenyl	*94*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**439**		4.97		mg/Kg			01/10/23 22:26	1

Client Sample ID: BH-67 (4')

Lab Sample ID: 890-3761-4
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:35	01/10/23 03:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 03:35	1
Ethylbenzene	**0.0331**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 03:35	1
m-Xylene & p-Xylene	**0.108**		0.00401		mg/Kg		01/09/23 10:35	01/10/23 03:35	1
o-Xylene	**0.0599**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 03:35	1
Xylenes, Total	**0.168**		0.00401		mg/Kg		01/09/23 10:35	01/10/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*01/09/23 10:35*	*01/10/23 03:35*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/09/23 10:35*	*01/10/23 03:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.201**		0.00401		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3700**		49.8		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**317**		49.8		mg/Kg		01/06/23 13:51	01/06/23 23:25	1
Diesel Range Organics (Over C10-C28)	**3380**		49.8		mg/Kg		01/06/23 13:51	01/06/23 23:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 13:51	01/06/23 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:25*	*1*
o-Terphenyl	*105*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:25*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-67 (4')

Lab Sample ID: 890-3761-4
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**623**		5.05		mg/Kg			01/10/23 22:30	1

Client Sample ID: BH-68 (4')

Lab Sample ID: 890-3761-5
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:35	01/10/23 04:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 04:01	1
o-Xylene	**0.0120**		0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:01	1
Xylenes, Total	**0.0120**		0.00398		mg/Kg		01/09/23 10:35	01/10/23 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:35*	*01/10/23 04:01*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*01/09/23 10:35*	*01/10/23 04:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0120**		0.00398		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1050**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 23:47	1
Diesel Range Organics (Over C10-C28)	**1050**		49.9		mg/Kg		01/06/23 13:51	01/06/23 23:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:47*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 13:51*	*01/06/23 23:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**578**		4.99		mg/Kg			01/10/23 22:35	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-69 (4')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Lab Sample ID: 890-3761-6
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		01/09/23 10:35	01/10/23 04:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 04:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 04:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:35*	*01/10/23 04:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:35*	*01/10/23 04:28*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**845**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 00:09	1
Diesel Range Organics (Over C10-C28)	**845**		49.9		mg/Kg		01/06/23 13:51	01/07/23 00:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/06/23 13:51*	*01/07/23 00:09*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/06/23 13:51*	*01/07/23 00:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		5.01		mg/Kg			01/10/23 22:49	1

Client Sample ID: BH-70 (6')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Lab Sample ID: 890-3761-7
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		01/09/23 10:35	01/10/23 04:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 04:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 04:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 04:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 04:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/09/23 10:35*	*01/10/23 04:54*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-70 (6')

Lab Sample ID: 890-3761-7
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/09/23 10:35*	*01/10/23 04:54*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**221**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 00:30	1
Diesel Range Organics (Over C10-C28)	**221**		49.9		mg/Kg		01/06/23 13:51	01/07/23 00:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*77*		*70 - 130*	*01/06/23 13:51*	*01/07/23 00:30*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/06/23 13:51*	*01/07/23 00:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**325**		5.00		mg/Kg			01/10/23 22:54	1

Client Sample ID: BH-71 (6')

Lab Sample ID: 890-3761-8
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 05:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 05:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 05:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:35	01/10/23 05:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 05:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:35	01/10/23 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:35*	*01/10/23 05:20*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:35*	*01/10/23 05:20*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/09/23 11:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-71 (6')

Lab Sample ID: 890-3761-8
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: SW846 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		01/06/23 13:51	01/07/23 00:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 00:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*4*	*S1-*	*70 - 130*	*01/06/23 13:51*	*01/07/23 00:49*	*1*
o-Terphenyl	*6*	*S1-*	*70 - 130*	*01/06/23 13:51*	*01/07/23 00:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**437**		5.02		mg/Kg			01/10/23 22:59	1

Client Sample ID: BH-72 (6')

Lab Sample ID: 890-3761-9
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 05:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:35	01/10/23 05:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:35	01/10/23 05:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/09/23 10:35	01/10/23 05:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:35	01/10/23 05:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/09/23 10:35	01/10/23 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*01/09/23 10:35*	*01/10/23 05:46*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:35*	*01/10/23 05:46*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**572**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 01:57	1
Diesel Range Organics (Over C10-C28)	**572**		49.9		mg/Kg		01/06/23 13:51	01/07/23 01:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/06/23 13:51*	*01/07/23 01:57*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/06/23 13:51*	*01/07/23 01:57*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-72 (6')

Lab Sample ID: 890-3761-9
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**493**		5.01		mg/Kg			01/10/23 23:04	1

Client Sample ID: BH-73 (6')

Lab Sample ID: 890-3761-10
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 06:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 06:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 06:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 06:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 06:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:35*	*01/10/23 06:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:35*	*01/10/23 06:12*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1330**		50.0		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 02:41	1
Diesel Range Organics (Over C10-C28)	**1330**		50.0		mg/Kg		01/06/23 13:51	01/07/23 02:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/06/23 13:51*	*01/07/23 02:41*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/06/23 13:51*	*01/07/23 02:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**702**		5.00		mg/Kg			01/10/23 23:08	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-74 (7')

Lab Sample ID: 890-3761-11
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

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		01/09/23 10:35	01/10/23 08:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 08:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 08:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 08:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 08:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:00*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**758**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 03:03	1
Diesel Range Organics (Over C10-C28)	**758**		49.9		mg/Kg		01/06/23 13:51	01/07/23 03:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:03*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**466**	**F1**	5.00		mg/Kg			01/10/23 23:13	1

Client Sample ID: BH-75 (7')

Lab Sample ID: 890-3761-12
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

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		01/09/23 10:35	01/10/23 08:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:35	01/10/23 08:27	1
Ethylbenzene	**0.00233**		0.00202		mg/Kg		01/09/23 10:35	01/10/23 08:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/09/23 10:35	01/10/23 08:27	1
o-Xylene	**0.00822**		0.00202		mg/Kg		01/09/23 10:35	01/10/23 08:27	1
Xylenes, Total	**0.00822**		0.00404		mg/Kg		01/09/23 10:35	01/10/23 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:27*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-75 (7')

Lab Sample ID: 890-3761-12
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0106**		0.00404		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**238**		50.0		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 03:25	1
Diesel Range Organics (Over C10-C28)	**238**		50.0		mg/Kg		01/06/23 13:51	01/07/23 03:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:25*	*1*
o-Terphenyl	*94*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**448**		5.02		mg/Kg			01/10/23 23:27	1

Client Sample ID: BH-76 (3')

Lab Sample ID: 890-3761-13
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

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		01/09/23 10:35	01/10/23 08:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 08:53	1
Ethylbenzene	**0.00485**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 08:53	1
m-Xylene & p-Xylene	**0.0182**		0.00399		mg/Kg		01/09/23 10:35	01/10/23 08:53	1
o-Xylene	**0.0132**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 08:53	1
Xylenes, Total	**0.0314**		0.00399		mg/Kg		01/09/23 10:35	01/10/23 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:53*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/09/23 10:35*	*01/10/23 08:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0363**		0.00399		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2920**		49.9		mg/Kg			01/09/23 11:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-76 (3')

Lab Sample ID: 890-3761-13
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**104**		49.9		mg/Kg		01/06/23 13:51	01/07/23 03:47	1
Diesel Range Organics (Over C10-C28)	**2820**		49.9		mg/Kg		01/06/23 13:51	01/07/23 03:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:47*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/06/23 13:51*	*01/07/23 03:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**718**		5.00		mg/Kg			01/11/23 08:33	1

Client Sample ID: BH-77 (7')

Lab Sample ID: 890-3761-14
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

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		01/09/23 10:35	01/10/23 09:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 09:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:35	01/10/23 09:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:35	01/10/23 09:20	1
o-Xylene	**0.0830**		0.00201		mg/Kg		01/09/23 10:35	01/10/23 09:20	1
Xylenes, Total	**0.0830**		0.00402		mg/Kg		01/09/23 10:35	01/10/23 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*01/09/23 10:35*	*01/10/23 09:20*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*01/09/23 10:35*	*01/10/23 09:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0830**		0.00402		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**347**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 04:09	1
Diesel Range Organics (Over C10-C28)	**347**		49.9		mg/Kg		01/06/23 13:51	01/07/23 04:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:09*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:09*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-77 (7')

Lab Sample ID: 890-3761-14
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		4.98		mg/Kg			01/11/23 08:47	1

Client Sample ID: BH-78 (7')

Lab Sample ID: 890-3761-15
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7

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		01/09/23 10:35	01/10/23 09:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 09:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 09:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:35	01/10/23 09:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 09:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:35	01/10/23 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:35*	*01/10/23 09:46*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/09/23 10:35*	*01/10/23 09:46*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**812**		50.0		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 04:32	1
Diesel Range Organics (Over C10-C28)	**812**		50.0		mg/Kg		01/06/23 13:51	01/07/23 04:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:32*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		4.95		mg/Kg			01/11/23 08:52	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-79 (6')

Lab Sample ID: 890-3761-16
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 10:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 10:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 10:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 10:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 10:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:35	01/10/23 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*01/09/23 10:35*	*01/10/23 10:13*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/09/23 10:35*	*01/10/23 10:13*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1280**		50.0		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 04:54	1
Diesel Range Organics (Over C10-C28)	**1280**		50.0		mg/Kg		01/06/23 13:51	01/07/23 04:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:54*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 13:51*	*01/07/23 04:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**777**		5.00		mg/Kg			01/11/23 08:57	1

Client Sample ID: BH-80 (6')

Lab Sample ID: 890-3761-17
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 10:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:35	01/10/23 10:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:35	01/10/23 10:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/09/23 10:35	01/10/23 10:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:35	01/10/23 10:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/09/23 10:35	01/10/23 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/09/23 10:35*	*01/10/23 10:40*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-80 (6')

Lab Sample ID: 890-3761-17
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/09/23 10:35*	*01/10/23 10:40*	*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			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**115**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 05:17	1
Diesel Range Organics (Over C10-C28)	**115**		49.9		mg/Kg		01/06/23 13:51	01/07/23 05:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*100*		*70 - 130*	*01/06/23 13:51*	*01/07/23 05:17*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/06/23 13:51*	*01/07/23 05:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1750**		25.0		mg/Kg			01/11/23 09:01	5

Client Sample ID: BH-81 (6')

Lab Sample ID: 890-3761-18
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 11:06	1
m-Xylene & p-Xylene	**0.00836**		0.00401		mg/Kg		01/09/23 10:35	01/10/23 11:06	1
o-Xylene	**0.00501**		0.00200		mg/Kg		01/09/23 10:35	01/10/23 11:06	1
Xylenes, Total	**0.0134**		0.00401		mg/Kg		01/09/23 10:35	01/10/23 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*9*	*S1-*	*70 - 130*	*01/09/23 10:35*	*01/10/23 11:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:35*	*01/10/23 11:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0134**		0.00401		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**900**		50.0		mg/Kg			01/09/23 11:24	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-81 (6')

Lab Sample ID: 890-3761-18
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: SW846 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		01/06/23 13:51	01/07/23 05:38	1
Diesel Range Organics (Over C10-C28)	**900**		50.0		mg/Kg		01/06/23 13:51	01/07/23 05:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/07/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 13:51*	*01/07/23 05:38*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/06/23 13:51*	*01/07/23 05:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**556**		5.01		mg/Kg			01/11/23 09:06	1

Client Sample ID: BH-82 (6')

Lab Sample ID: 890-3761-19
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 11:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 11:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 11:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 11:33	1
o-Xylene	**0.0263**		0.00199		mg/Kg		01/09/23 10:35	01/10/23 11:33	1
Xylenes, Total	**0.0263**		0.00398		mg/Kg		01/09/23 10:35	01/10/23 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*01/09/23 10:35*	*01/10/23 11:33*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/09/23 10:35*	*01/10/23 11:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0263**		0.00398		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**445**		49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 06:00	1
Diesel Range Organics (Over C10-C28)	**445**		49.9		mg/Kg		01/06/23 13:51	01/07/23 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/07/23 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 13:51*	*01/07/23 06:00*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/06/23 13:51*	*01/07/23 06:00*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-82 (6')

Lab Sample ID: 890-3761-19
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.97		mg/Kg			01/11/23 09:11	1

Client Sample ID: BH-83 (6')

Lab Sample ID: 890-3761-20
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:35	01/10/23 12:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 12:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 12:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 12:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:35	01/10/23 12:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:35	01/10/23 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:35*	*01/10/23 12:01*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:35*	*01/10/23 12:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/09/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 21:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 21:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:51	01/06/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 13:51*	*01/06/23 21:13*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/06/23 13:51*	*01/06/23 21:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.2		4.98		mg/Kg			01/11/23 09:16	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-84 (6')

Lab Sample ID: 890-3761-21
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:38	01/09/23 23:59	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		01/09/23 10:38	01/09/23 23:59	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		01/09/23 10:38	01/09/23 23:59	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		01/09/23 10:38	01/09/23 23:59	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		01/09/23 10:38	01/09/23 23:59	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		01/09/23 10:38	01/09/23 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/09/23 10:38*	*01/09/23 23:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/09/23 10:38*	*01/09/23 23:59*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1260**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/06/23 22:20	1
Diesel Range Organics (Over C10-C28)	**1070**		49.9		mg/Kg		01/06/23 13:54	01/06/23 22:20	1
Oil Range Organics (Over C28-C36)	**191**		49.9		mg/Kg		01/06/23 13:54	01/06/23 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/06/23 13:54*	*01/06/23 22:20*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/06/23 13:54*	*01/06/23 22:20*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**556**		5.00		mg/Kg			01/11/23 09:54	1

Client Sample ID: SW-43

Lab Sample ID: 890-3761-22
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		01/09/23 10:38	01/10/23 00:19	10
Toluene	**0.0406**		0.0200		mg/Kg		01/09/23 10:38	01/10/23 00:19	10
Ethylbenzene	**0.0851**		0.0200		mg/Kg		01/09/23 10:38	01/10/23 00:19	10
m-Xylene & p-Xylene	**0.601**		0.0401		mg/Kg		01/09/23 10:38	01/10/23 00:19	10
o-Xylene	**0.0904**		0.0200		mg/Kg		01/09/23 10:38	01/10/23 00:19	10
Xylenes, Total	**0.691**		0.0401		mg/Kg		01/09/23 10:38	01/10/23 00:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*42*	*S1-*	*70 - 130*	*01/09/23 10:38*	*01/10/23 00:19*	*10*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-43

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-22
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/09/23 10:38*	*01/10/23 00:19*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.817**		0.0401		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4020**		49.8		mg/Kg			01/09/23 17:53	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	**60.0**		49.8		mg/Kg		01/06/23 13:54	01/06/23 22:41	1
Diesel Range Organics (Over C10-C28)	**3470**		49.8		mg/Kg		01/06/23 13:54	01/06/23 22:41	1
Oil Range Organics (Over C28-C36)	**490**		49.8		mg/Kg		01/06/23 13:54	01/06/23 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*91*		*70 - 130*	*01/06/23 13:54*	*01/06/23 22:41*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 13:54*	*01/06/23 22:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		5.04		mg/Kg			01/11/23 10:09	1

Client Sample ID: SW-44

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-23
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		01/09/23 10:38	01/10/23 00:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 00:40	1
Ethylbenzene	**0.00283**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 00:40	1
m-Xylene & p-Xylene	**0.00822**		0.00399		mg/Kg		01/09/23 10:38	01/10/23 00:40	1
o-Xylene	**0.00288**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 00:40	1
Xylenes, Total	**0.0111**		0.00399		mg/Kg		01/09/23 10:38	01/10/23 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/09/23 10:38*	*01/10/23 00:40*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/09/23 10:38*	*01/10/23 00:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0139**		0.00399		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3040**		49.9		mg/Kg			01/09/23 17:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-44

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/06/23 23:04	1
Diesel Range Organics (Over C10-C28)	**2650**		49.9		mg/Kg		01/06/23 13:54	01/06/23 23:04	1
Oil Range Organics (Over C28-C36)	**393**		49.9		mg/Kg		01/06/23 13:54	01/06/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:04*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1510**		5.03		mg/Kg			01/11/23 10:13	1

Client Sample ID: SW-45

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-24
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		01/09/23 10:38	01/10/23 01:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:38	01/10/23 01:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:38	01/10/23 01:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/09/23 10:38	01/10/23 01:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:38	01/10/23 01:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/09/23 10:38	01/10/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:00*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:00*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**126**		49.8		mg/Kg			01/09/23 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/06/23 13:54	01/06/23 23:25	1
Diesel Range Organics (Over C10-C28)	**126**		49.8		mg/Kg		01/06/23 13:54	01/06/23 23:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 13:54	01/06/23 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:25*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:25*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-45

Lab Sample ID: 890-3761-24
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.0**		5.05		mg/Kg			01/11/23 10:18	1

Client Sample ID: SW-46

Lab Sample ID: 890-3761-25
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 01:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 01:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 01:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 01:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 01:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:20*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1420**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/06/23 23:47	1
Diesel Range Organics (Over C10-C28)	**1260**		49.9		mg/Kg		01/06/23 13:54	01/06/23 23:47	1
Oil Range Organics (Over C28-C36)	**164**		49.9		mg/Kg		01/06/23 13:54	01/06/23 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:47*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/06/23 13:54*	*01/06/23 23:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**433**		4.95		mg/Kg			01/11/23 10:23	1

Client Sample ID: SW-47

Lab Sample ID: 890-3761-26
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 01:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 01:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 01:41	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-47

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:38	01/10/23 01:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 01:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:38	01/10/23 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:41*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/09/23 10:38*	*01/10/23 01:41*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1500**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 00:09	1
Diesel Range Organics (Over C10-C28)	**1330**		49.9		mg/Kg		01/06/23 13:54	01/07/23 00:09	1
Oil Range Organics (Over C28-C36)	**174**		49.9		mg/Kg		01/06/23 13:54	01/07/23 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/06/23 13:54*	*01/07/23 00:09*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 13:54*	*01/07/23 00:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**474**		5.03		mg/Kg			01/11/23 10:37	1

Client Sample ID: SW-48

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-27
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		01/09/23 10:38	01/10/23 02:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 02:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 02:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:38	01/10/23 02:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 02:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:38	01/10/23 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:01*	*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			01/10/23 13:52	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-48

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**225**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 00:30	1
Diesel Range Organics (Over C10-C28)	**225**		49.9		mg/Kg		01/06/23 13:54	01/07/23 00:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/07/23 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*01/06/23 13:54*	*01/07/23 00:30*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 13:54*	*01/07/23 00:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		5.01		mg/Kg			01/11/23 10:42	1

Client Sample ID: SW-49

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-28
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		01/09/23 10:38	01/10/23 02:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 02:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:22*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 00:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/07/23 00:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/07/23 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*5*	*S1-*	*70 - 130*	*01/06/23 13:54*	*01/07/23 00:49*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-49

Lab Sample ID: 890-3761-28
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*4*	*S1-*	*70 - 130*	*01/06/23 13:54*	*01/07/23 00:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**841**		5.00		mg/Kg			01/11/23 10:47	1

Client Sample ID: SW-50

Lab Sample ID: 890-3761-29
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 02:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 02:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:42*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/09/23 10:38*	*01/10/23 02:42*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1120**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 01:57	1
Diesel Range Organics (Over C10-C28)	**975**		49.9		mg/Kg		01/06/23 13:54	01/07/23 01:57	1
Oil Range Organics (Over C28-C36)	**140**		49.9		mg/Kg		01/06/23 13:54	01/07/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*90*		*70 - 130*	*01/06/23 13:54*	*01/07/23 01:57*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/06/23 13:54*	*01/07/23 01:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**512**		4.96		mg/Kg			01/11/23 10:51	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-51

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-30
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		01/09/23 10:38	01/10/23 03:02	1
Toluene	**0.0171**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 03:02	1
Ethylbenzene	**0.0290**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 03:02	1
m-Xylene & p-Xylene	**0.0565**		0.00399		mg/Kg		01/09/23 10:38	01/10/23 03:02	1
o-Xylene	**0.0547**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 03:02	1
Xylenes, Total	**0.111**		0.00399		mg/Kg		01/09/23 10:38	01/10/23 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:38*	*01/10/23 03:02*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/09/23 10:38*	*01/10/23 03:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.157**		0.00399		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3540**		49.9		mg/Kg			01/09/23 17:53	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	**101**		49.9		mg/Kg		01/06/23 13:54	01/07/23 02:41	1
Diesel Range Organics (Over C10-C28)	**3020**		49.9		mg/Kg		01/06/23 13:54	01/07/23 02:41	1
Oil Range Organics (Over C28-C36)	**415**		49.9		mg/Kg		01/06/23 13:54	01/07/23 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*01/06/23 13:54*	*01/07/23 02:41*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/06/23 13:54*	*01/07/23 02:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**495**		4.96		mg/Kg			01/11/23 10:56	1

Client Sample ID: SW-52

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-31
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		01/09/23 10:38	01/10/23 04:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 04:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 04:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 04:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 04:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:38*	*01/10/23 04:52*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/09/23 10:38*	*01/10/23 04:52*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-52

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-31
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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**580**		50.0		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 03:03	1
Diesel Range Organics (Over C10-C28)	**499**		50.0		mg/Kg		01/06/23 13:54	01/07/23 03:03	1
Oil Range Organics (Over C28-C36)	**81.3**		50.0		mg/Kg		01/06/23 13:54	01/07/23 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:03*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**323**		4.95		mg/Kg			01/11/23 11:01	1

Client Sample ID: SW-53

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-32
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		01/09/23 10:38	01/10/23 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 05:13	1
m-Xylene & p-Xylene	**0.00621**		0.00401		mg/Kg		01/09/23 10:38	01/10/23 05:13	1
o-Xylene	**0.00816**		0.00200		mg/Kg		01/09/23 10:38	01/10/23 05:13	1
Xylenes, Total	**0.0144**		0.00401		mg/Kg		01/09/23 10:38	01/10/23 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:13*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0144**		0.00401		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2360**		49.9		mg/Kg			01/09/23 17:53	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	**72.7**		49.9		mg/Kg		01/06/23 13:54	01/07/23 03:25	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-53

Lab Sample ID: 890-3761-32
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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)	2040		49.9		mg/Kg		01/06/23 13:54	01/07/23 03:25	1
Oil Range Organics (Over C28-C36)	247		49.9		mg/Kg		01/06/23 13:54	01/07/23 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:25*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	747		5.05		mg/Kg			01/11/23 13:37	1

Client Sample ID: SW-54

Lab Sample ID: 890-3761-33
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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		01/09/23 10:38	01/10/23 05:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:38	01/10/23 05:33	1
Ethylbenzene	0.00225		0.00202		mg/Kg		01/09/23 10:38	01/10/23 05:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/09/23 10:38	01/10/23 05:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:38	01/10/23 05:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/09/23 10:38	01/10/23 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:33*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:33*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	150		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 03:47	1
Diesel Range Organics (Over C10-C28)	150		49.9		mg/Kg		01/06/23 13:54	01/07/23 03:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/07/23 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/06/23 13:54*	*01/07/23 03:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	834		5.03		mg/Kg			01/11/23 13:41	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-55

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-34
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		01/09/23 10:38	01/10/23 05:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 05:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 05:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 05:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 05:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/09/23 10:38*	*01/10/23 05:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.1**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 04:09	1
Diesel Range Organics (Over C10-C28)	**65.1**		49.9		mg/Kg		01/06/23 13:54	01/07/23 04:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/07/23 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:09*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**292**		5.01		mg/Kg			01/11/23 13:56	1

Client Sample ID: SW-56

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-35
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		01/09/23 10:38	01/10/23 06:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:38	01/10/23 06:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:38	01/10/23 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-56

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-35
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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/06/23 21:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/06/23 21:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/06/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*01/06/23 13:54*	*01/06/23 21:13*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/06/23 13:54*	*01/06/23 21:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**505**		5.01		mg/Kg			01/11/23 14:00	1

Client Sample ID: SW-57

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-36
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		01/09/23 10:38	01/10/23 06:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 06:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 06:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:38	01/10/23 06:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:38	01/10/23 06:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:38	01/10/23 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:34*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:34*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**136**		50.0		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 04:32	1
Diesel Range Organics (Over C10-C28)	**136**		50.0		mg/Kg		01/06/23 13:54	01/07/23 04:32	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-57

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-36
Matrix: Solid

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		01/06/23 13:54	01/07/23 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:32*	*1*
o-Terphenyl	*83*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**779**		5.02		mg/Kg			01/11/23 14:05	1

Client Sample ID: SW-58

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-37
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		01/09/23 10:38	01/10/23 06:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:38	01/10/23 06:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/10/23 06:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:38	01/10/23 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:55*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/09/23 10:38*	*01/10/23 06:55*	*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			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**158**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 04:54	1
Diesel Range Organics (Over C10-C28)	**158**		49.9		mg/Kg		01/06/23 13:54	01/07/23 04:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/07/23 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:54*	*1*
o-Terphenyl	*94*		*70 - 130*	*01/06/23 13:54*	*01/07/23 04:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		5.00		mg/Kg			01/11/23 14:10	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-59

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-38

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		01/09/23 10:38	01/10/23 07:15	1
Toluene	**0.00246**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:15	1
Ethylbenzene	**0.00995**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:15	1
m-Xylene & p-Xylene	**0.0150**		0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:15	1
o-Xylene	**0.0172**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:15	1
Xylenes, Total	**0.0322**		0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:15*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0446**		0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4180**		50.0		mg/Kg			01/09/23 17:53	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	**61.0**		50.0		mg/Kg		01/06/23 13:54	01/07/23 05:17	1
Diesel Range Organics (Over C10-C28)	**3550**		50.0		mg/Kg		01/06/23 13:54	01/07/23 05:17	1
Oil Range Organics (Over C28-C36)	**568**		50.0		mg/Kg		01/06/23 13:54	01/07/23 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/06/23 13:54*	*01/07/23 05:17*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 13:54*	*01/07/23 05:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**453**		4.99		mg/Kg			01/11/23 14:15	1

Client Sample ID: SW-60

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-39

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		01/09/23 10:38	01/10/23 07:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:35	1
Ethylbenzene	**0.00213**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:35*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:35*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-60

Lab Sample ID: 890-3761-39
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**152**		49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 05:38	1
Diesel Range Organics (Over C10-C28)	**98.4**		49.9		mg/Kg		01/06/23 13:54	01/07/23 05:38	1
Oil Range Organics (Over C28-C36)	**53.8**		49.9		mg/Kg		01/06/23 13:54	01/07/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 13:54*	*01/07/23 05:38*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/06/23 13:54*	*01/07/23 05:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.5**		5.00		mg/Kg			01/11/23 14:19	1

Client Sample ID: SW-61

Lab Sample ID: 890-3761-40
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:56	1
Ethylbenzene	**0.00204**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:56	1
m-Xylene & p-Xylene	**0.00460**		0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:56	1
o-Xylene	**0.00238**		0.00199		mg/Kg		01/09/23 10:38	01/10/23 07:56	1
Xylenes, Total	**0.00698**		0.00398		mg/Kg		01/09/23 10:38	01/10/23 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:56*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:38*	*01/10/23 07:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00902**		0.00398		mg/Kg			01/10/23 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/09/23 17:53	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		01/06/23 13:54	01/07/23 06:00	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-61

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-40
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		01/06/23 13:54	01/07/23 06:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 13:54	01/07/23 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*01/06/23 13:54*	*01/07/23 06:00*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/06/23 13:54*	*01/07/23 06:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**207**		5.04		mg/Kg			01/11/23 14:24	1

Client Sample ID: BH-6 (4')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Lab Sample ID: 890-3761-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201		mg/Kg		01/09/23 10:42	01/10/23 11:15	1
Toluene	<0.00201	U F2 F1	0.00201		mg/Kg		01/09/23 10:42	01/10/23 11:15	1
Ethylbenzene	<0.00201	U F2 F1	0.00201		mg/Kg		01/09/23 10:42	01/10/23 11:15	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		01/09/23 10:42	01/10/23 11:15	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		01/09/23 10:42	01/10/23 11:15	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		01/09/23 10:42	01/10/23 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/09/23 10:42*	*01/10/23 11:15*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:42*	*01/10/23 11:15*	*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			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**214**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/07/23 22:25	1
Diesel Range Organics (Over C10-C28)	**214**	**F1**	49.9		mg/Kg		01/06/23 14:28	01/07/23 22:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/07/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*01/06/23 14:28*	*01/07/23 22:25*	*1*
o-Terphenyl	*80*		*70 - 130*	*01/06/23 14:28*	*01/07/23 22:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		5.02		mg/Kg			01/11/23 15:17	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-7 (6')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Lab Sample ID: 890-3761-42
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		01/09/23 10:42	01/10/23 11:35	10
Toluene	**0.0676**		0.0200		mg/Kg		01/09/23 10:42	01/10/23 11:35	10
Ethylbenzene	**0.268**		0.0200		mg/Kg		01/09/23 10:42	01/10/23 11:35	10
m-Xylene & p-Xylene	**0.578**		0.0401		mg/Kg		01/09/23 10:42	01/10/23 11:35	10
o-Xylene	**0.398**		0.0200		mg/Kg		01/09/23 10:42	01/10/23 11:35	10
Xylenes, Total	**0.976**		0.0401		mg/Kg		01/09/23 10:42	01/10/23 11:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*01/09/23 10:42*	*01/10/23 11:35*	*10*
1,4-Difluorobenzene (Surr)	*0.1*	*S1-*	*70 - 130*	*01/09/23 10:42*	*01/10/23 11:35*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.31**		0.0401		mg/Kg			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**593**		49.8		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**85.7**		49.8		mg/Kg		01/06/23 14:28	01/07/23 23:35	1
Diesel Range Organics (Over C10-C28)	**507**		49.8		mg/Kg		01/06/23 14:28	01/07/23 23:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 14:28	01/07/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*01/06/23 14:28*	*01/07/23 23:35*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/06/23 14:28*	*01/07/23 23:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**455**		4.97		mg/Kg			01/11/23 15:32	1

Client Sample ID: BH-8 (4')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Lab Sample ID: 890-3761-43
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		01/09/23 10:42	01/10/23 11:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 11:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 11:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 11:56	1
o-Xylene	**0.00414**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 11:56	1
Xylenes, Total	**0.00414**		0.00398		mg/Kg		01/09/23 10:42	01/10/23 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*01/09/23 10:42*	*01/10/23 11:56*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-8 (4')

Lab Sample ID: 890-3761-43
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:42*	*01/10/23 11:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00414**		0.00398		mg/Kg			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**494**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/07/23 23:56	1
Diesel Range Organics (Over C10-C28)	**494**		49.9		mg/Kg		01/06/23 14:28	01/07/23 23:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/07/23 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/06/23 14:28*	*01/07/23 23:56*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/06/23 14:28*	*01/07/23 23:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**530**		4.99		mg/Kg			01/11/23 15:36	1

Client Sample ID: BH-9 (6')

Lab Sample ID: 890-3761-44
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:42	01/10/23 12:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:42	01/10/23 12:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:42	01/10/23 12:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/09/23 10:42	01/10/23 12:17	1
o-Xylene	**0.00262**		0.00198		mg/Kg		01/09/23 10:42	01/10/23 12:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/09/23 10:42	01/10/23 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:17*	*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			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**958**		49.8		mg/Kg			01/09/23 11:27	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-9 (6')

Lab Sample ID: 890-3761-44
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: SW846 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		01/06/23 14:28	01/08/23 00:17	1
Diesel Range Organics (Over C10-C28)	**958**		49.8		mg/Kg		01/06/23 14:28	01/08/23 00:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 14:28	01/08/23 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 14:28*	*01/08/23 00:17*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/06/23 14:28*	*01/08/23 00:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**		5.05		mg/Kg			01/11/23 15:41	1

Client Sample ID: BH-10 (6')

Lab Sample ID: 890-3761-45
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:42	01/10/23 12:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 12:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 12:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 12:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 12:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**731**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 00:38	1
Diesel Range Organics (Over C10-C28)	**731**		49.9		mg/Kg		01/06/23 14:28	01/08/23 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*01/06/23 14:28*	*01/08/23 00:38*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/06/23 14:28*	*01/08/23 00:38*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-10 (6')

Lab Sample ID: 890-3761-45
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**		5.04		mg/Kg			01/11/23 15:46	1

Client Sample ID: BH-11 (4')

Lab Sample ID: 890-3761-46
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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		01/09/23 10:42	01/10/23 12:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:42	01/10/23 12:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:42	01/10/23 12:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/09/23 10:42	01/10/23 12:58	1
o-Xylene	**0.0149**		0.00202		mg/Kg		01/09/23 10:42	01/10/23 12:58	1
Xylenes, Total	**0.0149**		0.00403		mg/Kg		01/09/23 10:42	01/10/23 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:58*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/09/23 10:42*	*01/10/23 12:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0149**		0.00403		mg/Kg			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**304**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 01:00	1
Diesel Range Organics (Over C10-C28)	**304**		49.9		mg/Kg		01/06/23 14:28	01/08/23 01:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:00*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		5.00		mg/Kg			01/11/23 16:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-12 (4')

Lab Sample ID: 890-3761-47
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 13:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 13:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 13:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 13:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 13:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*01/09/23 10:42*	*01/10/23 13:19*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:42*	*01/10/23 13:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1290**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 01:21	1
Diesel Range Organics (Over C10-C28)	**1290**		49.9		mg/Kg		01/06/23 14:28	01/08/23 01:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:21*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.3**		5.00		mg/Kg			01/11/23 16:05	1

Client Sample ID: BH-13 (4')

Lab Sample ID: 890-3761-48
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.243**		0.0199		mg/Kg		01/09/23 10:42	01/10/23 13:40	10
Toluene	**0.0753**		0.0199		mg/Kg		01/09/23 10:42	01/10/23 13:40	10
Ethylbenzene	**0.0399**		0.0199		mg/Kg		01/09/23 10:42	01/10/23 13:40	10
m-Xylene & p-Xylene	**1.14**		0.0398		mg/Kg		01/09/23 10:42	01/10/23 13:40	10
o-Xylene	**0.567**		0.0199		mg/Kg		01/09/23 10:42	01/10/23 13:40	10
Xylenes, Total	**1.71**		0.0398		mg/Kg		01/09/23 10:42	01/10/23 13:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*01/09/23 10:42*	*01/10/23 13:40*	*10*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-13 (4')

Lab Sample ID: 890-3761-48
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:42*	*01/10/23 13:40*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.07**		0.0398		mg/Kg			01/11/23 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4320**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**308**		50.0		mg/Kg		01/06/23 14:28	01/08/23 01:42	1
Diesel Range Organics (Over C10-C28)	**4010**		50.0		mg/Kg		01/06/23 14:28	01/08/23 01:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/06/23 14:28*	*01/08/23 01:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		5.03		mg/Kg			01/11/23 16:17	1

Client Sample ID: BH-15 (4')

Lab Sample ID: 890-3761-49
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00236**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 14:01	1
Toluene	**0.136**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 14:01	1
Ethylbenzene	**0.125**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 14:01	1
m-Xylene & p-Xylene	**0.172**		0.00399		mg/Kg		01/09/23 10:42	01/10/23 14:01	1
o-Xylene	**0.0739**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 14:01	1
Xylenes, Total	**0.246**		0.00399		mg/Kg		01/09/23 10:42	01/10/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:42*	*01/10/23 14:01*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/09/23 10:42*	*01/10/23 14:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.509**		0.00399		mg/Kg			01/11/23 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3690**		49.9		mg/Kg			01/09/23 11:27	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-15 (4')

Lab Sample ID: 890-3761-49
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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	**132**		49.9		mg/Kg		01/06/23 14:28	01/08/23 02:03	1
Diesel Range Organics (Over C10-C28)	**3560**		49.9		mg/Kg		01/06/23 14:28	01/08/23 02:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/06/23 14:28*	*01/08/23 02:03*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/06/23 14:28*	*01/08/23 02:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**641**		5.02		mg/Kg			01/11/23 16:21	1

Client Sample ID: BH-17 (4')

Lab Sample ID: 890-3761-50
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 14:21	1
Toluene	**0.00206**		0.00201		mg/Kg		01/09/23 10:42	01/10/23 14:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 14:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 14:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 14:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*01/09/23 10:42*	*01/10/23 14:21*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:42*	*01/10/23 14:21*	*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			01/11/23 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**853**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 02:24	1
Diesel Range Organics (Over C10-C28)	**853**		50.0		mg/Kg		01/06/23 14:28	01/08/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/06/23 14:28*	*01/08/23 02:24*	*1*
o-Terphenyl	*80*		*70 - 130*	*01/06/23 14:28*	*01/08/23 02:24*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-17 (4')

Lab Sample ID: 890-3761-50
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**530**		4.98		mg/Kg			01/11/23 16:26	1

Client Sample ID: BH-18 (4')

Lab Sample ID: 890-3761-51
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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		01/09/23 10:42	01/10/23 15:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:42	01/10/23 15:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:42	01/10/23 15:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/09/23 10:42	01/10/23 15:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/09/23 10:42	01/10/23 15:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/09/23 10:42	01/10/23 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/09/23 10:42*	*01/10/23 15:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:42*	*01/10/23 15:45*	*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			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**76.6**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 03:07	1
Diesel Range Organics (Over C10-C28)	**76.6**		50.0		mg/Kg		01/06/23 14:28	01/08/23 03:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:07*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.96		mg/Kg			01/11/23 16:31	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-19 (4')

Lab Sample ID: 890-3761-52
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 16:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 16:06	1
Ethylbenzene	**0.00340**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 16:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 16:06	1
o-Xylene	**0.0111**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 16:06	1
Xylenes, Total	**0.0111**		0.00398		mg/Kg		01/09/23 10:42	01/10/23 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/09/23 10:42*	*01/10/23 16:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/09/23 10:42*	*01/10/23 16:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0145**		0.00398		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2150**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**110**		49.9		mg/Kg		01/06/23 14:28	01/08/23 03:28	1
Diesel Range Organics (Over C10-C28)	**2040**		49.9		mg/Kg		01/06/23 14:28	01/08/23 03:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:28*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**566**		5.04		mg/Kg			01/11/23 16:45	1

Client Sample ID: BH-20 (4')

Lab Sample ID: 890-3761-53
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 16:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 16:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 16:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:42	01/10/23 16:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 16:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:42	01/10/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/09/23 10:42*	*01/10/23 16:27*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-20 (4')

Lab Sample ID: 890-3761-53
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:42*	*01/10/23 16:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1730**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 03:50	1
Diesel Range Organics (Over C10-C28)	**1730**		50.0		mg/Kg		01/06/23 14:28	01/08/23 03:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:50*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/06/23 14:28*	*01/08/23 03:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**515**		4.97		mg/Kg			01/11/23 16:50	1

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3761-54
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 17:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 17:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 17:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 17:06	1
o-Xylene	**0.0126**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 17:06	1
Xylenes, Total	**0.0126**		0.00398		mg/Kg		01/09/23 10:42	01/10/23 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/09/23 10:42*	*01/10/23 17:06*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*01/09/23 10:42*	*01/10/23 17:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0126**		0.00398		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.3**		49.9		mg/Kg			01/09/23 11:27	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3761-54
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 04:12	1
Diesel Range Organics (Over C10-C28)	**69.3**		49.9		mg/Kg		01/06/23 14:28	01/08/23 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:12*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		5.03		mg/Kg			01/11/23 17:04	1

Client Sample ID: BH-22 (4')

Lab Sample ID: 890-3761-55
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:42	01/10/23 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:42	01/10/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/09/23 10:42*	*01/10/23 17:27*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/09/23 10:42*	*01/10/23 17:27*	*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			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.0**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 04:33	1
Diesel Range Organics (Over C10-C28)	**52.0**		49.9		mg/Kg		01/06/23 14:28	01/08/23 04:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:33*	*1*
o-Terphenyl	*87*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:33*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-22 (4')

Lab Sample ID: 890-3761-55
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		5.00		mg/Kg			01/11/23 17:09	1

Client Sample ID: BH-23 (4')

Lab Sample ID: 890-3761-56
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:42	01/10/23 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 17:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:42	01/10/23 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*01/09/23 10:42*	*01/10/23 17:48*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/09/23 10:42*	*01/10/23 17:48*	*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			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1230**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 04:55	1
Diesel Range Organics (Over C10-C28)	**1230**		50.0		mg/Kg		01/06/23 14:28	01/08/23 04:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:55*	*1*
o-Terphenyl	*82*		*70 - 130*	*01/06/23 14:28*	*01/08/23 04:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**503**		4.98		mg/Kg			01/11/23 17:14	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-24 (4')

Lab Sample ID: 890-3761-57
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 18:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 18:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:42	01/10/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*01/09/23 10:42*	*01/10/23 18:08*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*01/09/23 10:42*	*01/10/23 18:08*	*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			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**233**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 05:16	1
Diesel Range Organics (Over C10-C28)	**233**		49.9		mg/Kg		01/06/23 14:28	01/08/23 05:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:16*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**727**		4.97		mg/Kg			01/11/23 17:18	1

Client Sample ID: BH-25 (4')

Lab Sample ID: 890-3761-58
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 18:29	1
Toluene	**0.00826**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:29	1
Ethylbenzene	**0.00261**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:29	1
m-Xylene & p-Xylene	**0.0165**		0.00398		mg/Kg		01/09/23 10:42	01/10/23 18:29	1
o-Xylene	**0.0968**		0.00199		mg/Kg		01/09/23 10:42	01/10/23 18:29	1
Xylenes, Total	**0.113**		0.00398		mg/Kg		01/09/23 10:42	01/10/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*01/09/23 10:42*	*01/10/23 18:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-25 (4')

Lab Sample ID: 890-3761-58
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:42*	*01/10/23 18:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.124**		0.00398		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4210**		50.0		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**465**		50.0		mg/Kg		01/06/23 14:28	01/08/23 05:38	1
Diesel Range Organics (Over C10-C28)	**3740**		50.0		mg/Kg		01/06/23 14:28	01/08/23 05:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/08/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:38*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**971**		5.02		mg/Kg			01/11/23 17:23	1

Client Sample ID: BH-26 (4')

Lab Sample ID: 890-3761-59
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 18:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 18:50	1
Ethylbenzene	**0.00221**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 18:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:42	01/10/23 18:50	1
o-Xylene	**0.00353**		0.00200		mg/Kg		01/09/23 10:42	01/10/23 18:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:42	01/10/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*01/09/23 10:42*	*01/10/23 18:50*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/09/23 10:42*	*01/10/23 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00574**		0.00399		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1410**		49.9		mg/Kg			01/09/23 11:27	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-26 (4')

Lab Sample ID: 890-3761-59
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 05:59	1
Diesel Range Organics (Over C10-C28)	**1410**		49.9		mg/Kg		01/06/23 14:28	01/08/23 05:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:59*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/06/23 14:28*	*01/08/23 05:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1950**		25.1		mg/Kg			01/11/23 17:28	5

Client Sample ID: BH-27 (4')

Lab Sample ID: 890-3761-60
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:42	01/10/23 19:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 19:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 19:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 19:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:42	01/10/23 19:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:42	01/10/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*01/09/23 10:42*	*01/10/23 19:10*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:42*	*01/10/23 19:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/11/23 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**125**		49.9		mg/Kg			01/09/23 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 06:20	1
Diesel Range Organics (Over C10-C28)	**125**		49.9		mg/Kg		01/06/23 14:28	01/08/23 06:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:28	01/08/23 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*01/06/23 14:28*	*01/08/23 06:20*	*1*
o-Terphenyl	*85*		*70 - 130*	*01/06/23 14:28*	*01/08/23 06:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-27 (4')

Lab Sample ID: 890-3761-60
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.98		mg/Kg			01/11/23 17:32	1

Client Sample ID: BH-28 (6')

Lab Sample ID: 890-3761-61
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:44	01/11/23 17:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 17:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 17:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/09/23 10:44	01/11/23 17:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 17:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/09/23 10:44	01/11/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:04*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**83.9**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		01/06/23 14:30	01/07/23 22:25	1
Diesel Range Organics (Over C10-C28)	**83.9**		49.9		mg/Kg		01/06/23 14:30	01/07/23 22:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/07/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 14:30*	*01/07/23 22:25*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/06/23 14:30*	*01/07/23 22:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.4**		5.03		mg/Kg			01/11/23 18:11	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-29 (4')

Lab Sample ID: 890-3761-62
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:44	01/11/23 17:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 17:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 17:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/11/23 17:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 17:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/11/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:30*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:30*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**78.0**		49.8		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/06/23 14:30	01/07/23 23:35	1
Diesel Range Organics (Over C10-C28)	**78.0**		49.8		mg/Kg		01/06/23 14:30	01/07/23 23:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 14:30	01/07/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/06/23 14:30*	*01/07/23 23:35*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/06/23 14:30*	*01/07/23 23:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.4**		5.00		mg/Kg			01/11/23 18:25	1

Client Sample ID: BH-31 (7.5')

Lab Sample ID: 890-3761-63
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7.5

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		01/09/23 10:44	01/11/23 17:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 17:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 17:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 17:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 17:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:57*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-31 (7.5')

Lab Sample ID: 890-3761-63
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 7.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:44*	*01/11/23 17:57*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**72.3**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/07/23 23:56	1
Diesel Range Organics (Over C10-C28)	**72.3**		49.9		mg/Kg		01/06/23 14:30	01/07/23 23:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/07/23 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/06/23 14:30*	*01/07/23 23:56*	*1*
o-Terphenyl	*115*		*70 - 130*	*01/06/23 14:30*	*01/07/23 23:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.5**		4.97		mg/Kg			01/11/23 18:30	1

Client Sample ID: BH-42 (4.5')

Lab Sample ID: 890-3761-64
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 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		01/09/23 10:44	01/11/23 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/09/23 10:44*	*01/11/23 18:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:44*	*01/11/23 18:24*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.3**		49.8		mg/Kg			01/09/23 17:52	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-42 (4.5')

Lab Sample ID: 890-3761-64
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4.5

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	<49.8	U	49.8		mg/Kg		01/06/23 14:30	01/08/23 00:17	1
Diesel Range Organics (Over C10-C28)	**67.3**		49.8		mg/Kg		01/06/23 14:30	01/08/23 00:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 14:30	01/08/23 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/06/23 14:30*	*01/08/23 00:17*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 14:30*	*01/08/23 00:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.2**		5.05		mg/Kg			01/11/23 18:34	1

Client Sample ID: BH-43 (4.5')

Lab Sample ID: 890-3761-65
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 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		01/09/23 10:44	01/11/23 18:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 18:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 18:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:44	01/11/23 18:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 18:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:44	01/11/23 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:44*	*01/11/23 18:51*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:44*	*01/11/23 18:51*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.9**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 00:38	1
Diesel Range Organics (Over C10-C28)	**67.9**		49.9		mg/Kg		01/06/23 14:30	01/08/23 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 14:30*	*01/08/23 00:38*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/06/23 14:30*	*01/08/23 00:38*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-43 (4.5')

Lab Sample ID: 890-3761-65
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		4.99		mg/Kg			01/11/23 18:39	1

Client Sample ID: BH-44 (4.5')

Lab Sample ID: 890-3761-66
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 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		01/09/23 10:44	01/11/23 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 19:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/09/23 10:44	01/11/23 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:44	01/11/23 19:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/09/23 10:44	01/11/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:44*	*01/11/23 19:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:44*	*01/11/23 19:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1040**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 01:00	1
Diesel Range Organics (Over C10-C28)	**902**		49.9		mg/Kg		01/06/23 14:30	01/08/23 01:00	1
Oil Range Organics (Over C28-C36)	**142**		49.9		mg/Kg		01/06/23 14:30	01/08/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:00*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		5.01		mg/Kg			01/11/23 18:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-49 (6')

Lab Sample ID: 890-3761-67
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:44	01/11/23 19:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 19:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 19:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 19:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 19:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:44*	*01/11/23 19:45*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/09/23 10:44*	*01/11/23 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1980**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 01:21	1
Diesel Range Organics (Over C10-C28)	**1760**		49.9		mg/Kg		01/06/23 14:30	01/08/23 01:21	1
Oil Range Organics (Over C28-C36)	**215**		49.9		mg/Kg		01/06/23 14:30	01/08/23 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:21*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**581**		5.00		mg/Kg			01/11/23 18:58	1

Client Sample ID: BH-50 (4')

Lab Sample ID: 890-3761-68
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:44	01/11/23 20:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 20:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 20:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 20:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 20:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 20:12	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-50 (4')

Lab Sample ID: 890-3761-68
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/09/23 10:44*	*01/11/23 20:12*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/09/23 10:44*	*01/11/23 20:12*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**794**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 01:42	1
Diesel Range Organics (Over C10-C28)	**701**		50.0		mg/Kg		01/06/23 14:30	01/08/23 01:42	1
Oil Range Organics (Over C28-C36)	**92.6**		50.0		mg/Kg		01/06/23 14:30	01/08/23 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*86*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:42*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/06/23 14:30*	*01/08/23 01:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**539**		5.02		mg/Kg			01/11/23 19:03	1

Client Sample ID: BH-51 (6')

Lab Sample ID: 890-3761-69
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:44	01/11/23 20:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 20:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 20:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/11/23 20:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 20:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/11/23 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:44*	*01/11/23 20:39*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/09/23 10:44*	*01/11/23 20:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/12/23 15:14	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-51 (6')

Lab Sample ID: 890-3761-69
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1690**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 02:03	1
Diesel Range Organics (Over C10-C28)	**1500**		49.9		mg/Kg		01/06/23 14:30	01/08/23 02:03	1
Oil Range Organics (Over C28-C36)	**187**		49.9		mg/Kg		01/06/23 14:30	01/08/23 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*01/06/23 14:30*	*01/08/23 02:03*	*1*
o-Terphenyl	*114*		*70 - 130*	*01/06/23 14:30*	*01/08/23 02:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**832**		5.01		mg/Kg			01/11/23 19:08	1

Client Sample ID: BH-53 (4')

Lab Sample ID: 890-3761-70
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:44	01/11/23 21:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 21:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 21:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:44	01/11/23 21:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 21:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:44	01/11/23 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/09/23 10:44*	*01/11/23 21:06*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:44*	*01/11/23 21:06*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**114**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 02:24	1
Diesel Range Organics (Over C10-C28)	**114**		50.0		mg/Kg		01/06/23 14:30	01/08/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 02:24	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-53 (4')

Lab Sample ID: 890-3761-70
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	01/06/23 14:30	01/08/23 02:24	1
o-Terphenyl	106		70 - 130	01/06/23 14:30	01/08/23 02:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**873**		5.00		mg/Kg			01/11/23 19:12	1

Client Sample ID: BH-54 (6')

Lab Sample ID: 890-3761-71
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 6

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		01/09/23 10:44	01/11/23 22:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 22:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 22:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:44	01/11/23 22:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:44	01/11/23 22:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:44	01/11/23 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/09/23 10:44	01/11/23 22:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/09/23 10:44	01/11/23 22:53	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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**368**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 03:07	1
Diesel Range Organics (Over C10-C28)	**368**		50.0		mg/Kg		01/06/23 14:30	01/08/23 03:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	01/06/23 14:30	01/08/23 03:07	1
o-Terphenyl	104		70 - 130	01/06/23 14:30	01/08/23 03:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**849**		5.00		mg/Kg			01/11/23 19:17	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-55 (5')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 5

Lab Sample ID: 890-3761-72

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		01/09/23 10:44	01/11/23 23:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 23:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 23:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:44	01/11/23 23:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 23:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:44	01/11/23 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/09/23 10:44*	*01/11/23 23:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:44*	*01/11/23 23:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**98.0**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 03:28	1
Diesel Range Organics (Over C10-C28)	**98.0**		50.0		mg/Kg		01/06/23 14:30	01/08/23 03:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/06/23 14:30*	*01/08/23 03:28*	*1*
o-Terphenyl	*114*		*70 - 130*	*01/06/23 14:30*	*01/08/23 03:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		5.02		mg/Kg			01/11/23 19:31	1

Client Sample ID: BH-56 (3')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

Lab Sample ID: 890-3761-73

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		01/09/23 10:44	01/11/23 23:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 23:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 23:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 23:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/11/23 23:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/11/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/09/23 10:44*	*01/11/23 23:45*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-56 (3')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

Lab Sample ID: 890-3761-73

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:44*	*01/11/23 23:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**471**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 03:50	1
Diesel Range Organics (Over C10-C28)	**399**		49.9		mg/Kg		01/06/23 14:30	01/08/23 03:50	1
Oil Range Organics (Over C28-C36)	**71.8**		49.9		mg/Kg		01/06/23 14:30	01/08/23 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 14:30*	*01/08/23 03:50*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 14:30*	*01/08/23 03:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		5.00		mg/Kg			01/11/23 19:36	1

Client Sample ID: BH-58 (3')

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

Lab Sample ID: 890-3761-74

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		01/09/23 10:44	01/12/23 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/12/23 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/12/23 00:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/12/23 00:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:44	01/12/23 00:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:44	01/12/23 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/09/23 10:44*	*01/12/23 00:12*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*01/09/23 10:44*	*01/12/23 00:12*	*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			01/12/23 15:14	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-58 (3')

Lab Sample ID: 890-3761-74
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1690**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 04:12	1
Diesel Range Organics (Over C10-C28)	**1470**		49.9		mg/Kg		01/06/23 14:30	01/08/23 04:12	1
Oil Range Organics (Over C28-C36)	**216**		49.9		mg/Kg		01/06/23 14:30	01/08/23 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:12*	*1*
o-Terphenyl	*113*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**742**		4.98		mg/Kg			01/11/23 19:50	1

Client Sample ID: BH-14 (4')

Lab Sample ID: 890-3761-75
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
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		01/09/23 10:44	01/12/23 00:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/12/23 00:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/12/23 00:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/12/23 00:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/12/23 00:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:44	01/12/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:44*	*01/12/23 00:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/09/23 10:44*	*01/12/23 00:38*	*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			01/12/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**110**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 04:33	1
Diesel Range Organics (Over C10-C28)	**110**		49.9		mg/Kg		01/06/23 14:30	01/08/23 04:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 04:33	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-14 (4')

Lab Sample ID: 890-3761-75
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25
Sample Depth: 4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:33*	*1*
o-Terphenyl	*97*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.8**		4.95		mg/Kg			01/11/23 19:55	1

Client Sample ID: SW-5

Lab Sample ID: 890-3761-76
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 05:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 05:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 05:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 05:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 05:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/12/23 09:36*	*01/13/23 05:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/12/23 09:36*	*01/13/23 05:59*	*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			01/13/23 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**335**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 04:55	1
Diesel Range Organics (Over C10-C28)	**335**		50.0		mg/Kg		01/06/23 14:30	01/08/23 04:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:55*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/06/23 14:30*	*01/08/23 04:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**355**		5.00		mg/Kg			01/11/23 20:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-6

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-77
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		01/12/23 09:36	01/13/23 06:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 06:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/12/23 09:36*	*01/13/23 06:19*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/12/23 09:36*	*01/13/23 06:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/13/23 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**149**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 05:16	1
Diesel Range Organics (Over C10-C28)	**149**		49.9		mg/Kg		01/06/23 14:30	01/08/23 05:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:16*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		4.99		mg/Kg			01/11/23 20:05	1

Client Sample ID: SW-7

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-78
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		01/12/23 09:36	01/13/23 06:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 06:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/23 09:36	01/13/23 06:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/23 09:36	01/13/23 06:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/12/23 09:36*	*01/13/23 06:40*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/12/23 09:36*	*01/13/23 06:40*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-7

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-78
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			01/13/23 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.3**		50.0		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 05:38	1
Diesel Range Organics (Over C10-C28)	**58.3**		50.0		mg/Kg		01/06/23 14:30	01/08/23 05:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/08/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:38*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		5.01		mg/Kg			01/11/23 20:09	1

Client Sample ID: SW-15

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-79
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		01/12/23 09:36	01/13/23 07:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 07:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 07:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/12/23 09:36	01/13/23 07:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 07:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/12/23 09:36	01/13/23 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/12/23 09:36*	*01/13/23 07:00*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/12/23 09:36*	*01/13/23 07:00*	*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			01/13/23 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1750**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 05:59	1
Diesel Range Organics (Over C10-C28)	**1520**		49.9		mg/Kg		01/06/23 14:30	01/08/23 05:59	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-15

Lab Sample ID: 890-3761-79
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**228**		49.9		mg/Kg		01/06/23 14:30	01/08/23 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:59*	*1*
o-Terphenyl	*95*		*70 - 130*	*01/06/23 14:30*	*01/08/23 05:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.1**		4.97		mg/Kg			01/11/23 20:14	1

Client Sample ID: SW-17

Lab Sample ID: 890-3761-80
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/12/23 09:36	01/13/23 07:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/12/23 09:36	01/13/23 07:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/12/23 09:36	01/13/23 07:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/12/23 09:36	01/13/23 07:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/12/23 09:36	01/13/23 07:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/12/23 09:36	01/13/23 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/12/23 09:36*	*01/13/23 07:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/12/23 09:36*	*01/13/23 07:21*	*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			01/13/23 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**160**		49.9		mg/Kg			01/09/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 06:20	1
Diesel Range Organics (Over C10-C28)	**160**		49.9		mg/Kg		01/06/23 14:30	01/08/23 06:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 14:30	01/08/23 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/06/23 14:30*	*01/08/23 06:20*	*1*
o-Terphenyl	*108*		*70 - 130*	*01/06/23 14:30*	*01/08/23 06:20*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**345**		4.98		mg/Kg			01/11/23 20:19	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-21

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-81
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 16:04	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 16:04	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 16:04	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		01/09/23 10:48	01/10/23 16:04	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 16:04	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		01/09/23 10:48	01/10/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:04*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:04*	*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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**140**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 21:10	1
Diesel Range Organics (Over C10-C28)	**140**		49.9		mg/Kg		01/06/23 15:03	01/08/23 21:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 15:03	01/08/23 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/06/23 15:03*	*01/08/23 21:10*	*1*
o-Terphenyl	*112*		*70 - 130*	*01/06/23 15:03*	*01/08/23 21:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**755**		4.97		mg/Kg			01/12/23 12:26	1

Client Sample ID: SW-22

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-82
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		01/09/23 10:48	01/10/23 16:31	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		01/09/23 10:48	01/10/23 16:31	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		01/09/23 10:48	01/10/23 16:31	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		01/09/23 10:48	01/10/23 16:31	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		01/09/23 10:48	01/10/23 16:31	1
Xylenes, Total	<0.00404	U *-	0.00404		mg/Kg		01/09/23 10:48	01/10/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:31*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:31*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-22

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-82
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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 22:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/06/23 15:03	01/08/23 22:13	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 15:03	01/08/23 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:13*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**506**		4.99		mg/Kg			01/12/23 12:32	1

Client Sample ID: SW-23

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-83
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 16:57	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 16:57	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 16:57	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		01/09/23 10:48	01/10/23 16:57	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 16:57	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		01/09/23 10:48	01/10/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 16:57*	*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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**242**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 22:34	1
Diesel Range Organics (Over C10-C28)	**242**		49.9		mg/Kg		01/06/23 15:03	01/08/23 22:34	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-23

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-83
Matrix: Solid

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)	<49.9	U	49.9		mg/Kg		01/06/23 15:03	01/08/23 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:34*	*1*
o-Terphenyl	*110*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**555**		4.95		mg/Kg			01/12/23 12:38	1

Client Sample ID: SW-24

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-84
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 17:23	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 17:23	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 17:23	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		01/09/23 10:48	01/10/23 17:23	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 17:23	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		01/09/23 10:48	01/10/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 17:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:48*	*01/10/23 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**114**		49.8		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 22:56	1
Diesel Range Organics (Over C10-C28)	**114**		49.8		mg/Kg		01/06/23 15:03	01/08/23 22:56	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/06/23 15:03	01/08/23 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:56*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 15:03*	*01/08/23 22:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**329**		4.96		mg/Kg			01/12/23 12:44	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-26

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-85
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 17:50	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 17:50	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 17:50	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		01/09/23 10:48	01/10/23 17:50	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 17:50	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		01/09/23 10:48	01/10/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/09/23 10:48*	*01/10/23 17:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/09/23 10:48*	*01/10/23 17:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**145**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 23:17	1
Diesel Range Organics (Over C10-C28)	**145**		49.9		mg/Kg		01/06/23 15:03	01/08/23 23:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 15:03	01/08/23 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/06/23 15:03*	*01/08/23 23:17*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 15:03*	*01/08/23 23:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.5**	**F1**	5.01		mg/Kg			01/12/23 13:34	1

Client Sample ID: SW-27

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-86
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 18:17	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 18:17	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 18:17	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		01/09/23 10:48	01/10/23 18:17	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		01/09/23 10:48	01/10/23 18:17	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		01/09/23 10:48	01/10/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:48*	*01/10/23 18:17*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 18:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-27

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-86
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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**259**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/08/23 23:39	1
Diesel Range Organics (Over C10-C28)	**259**		49.9		mg/Kg		01/06/23 15:03	01/08/23 23:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 15:03	01/08/23 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*01/06/23 15:03*	*01/08/23 23:39*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/06/23 15:03*	*01/08/23 23:39*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		4.99		mg/Kg			01/12/23 13:52	1

Client Sample ID: SW-32

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-87
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *- *1	0.00198		mg/Kg		01/09/23 10:48	01/10/23 18:42	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		01/09/23 10:48	01/10/23 18:42	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		01/09/23 10:48	01/10/23 18:42	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		01/09/23 10:48	01/10/23 18:42	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		01/09/23 10:48	01/10/23 18:42	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		01/09/23 10:48	01/10/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0.0006*	*S1-*	*70 - 130*	*01/09/23 10:48*	*01/10/23 18:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:48*	*01/10/23 18:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**335**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 00:00	1
Diesel Range Organics (Over C10-C28)	**335**		49.9		mg/Kg		01/06/23 15:03	01/09/23 00:00	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-32

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-87
Matrix: Solid

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		01/06/23 15:03	01/09/23 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:00*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**395**		5.00		mg/Kg			01/12/23 13:58	1

Client Sample ID: SW-33

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-88
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:07	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:07	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:07	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		01/09/23 10:48	01/10/23 19:07	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:07	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		01/09/23 10:48	01/10/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/09/23 10:48*	*01/10/23 19:07*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/09/23 10:48*	*01/10/23 19:07*	*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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 00:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 15:03	01/09/23 00:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 15:03	01/09/23 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:21*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.1**		4.98		mg/Kg			01/12/23 14:04	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-37

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-89
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:33	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:33	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:33	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		01/09/23 10:48	01/10/23 19:33	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 19:33	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		01/09/23 10:48	01/10/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/09/23 10:48*	*01/10/23 19:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:48*	*01/10/23 19:33*	*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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.3**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 00:43	1
Diesel Range Organics (Over C10-C28)	**63.3**		49.9		mg/Kg		01/06/23 15:03	01/09/23 00:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/23 15:03	01/09/23 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:43*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/06/23 15:03*	*01/09/23 00:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		4.95		mg/Kg			01/12/23 14:11	1

Client Sample ID: SW-38

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-90
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 20:00	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 20:00	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 20:00	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		01/09/23 10:48	01/10/23 20:00	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 20:00	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		01/09/23 10:48	01/10/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*977*	*S1+*	*70 - 130*	*01/09/23 10:48*	*01/10/23 20:00*	*1*
1,4-Difluorobenzene (Surr)	*912*	*S1+*	*70 - 130*	*01/09/23 10:48*	*01/10/23 20:00*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-38

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-90
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			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**76.2**		50.0		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 01:04	1
Diesel Range Organics (Over C10-C28)	**76.2**		50.0		mg/Kg		01/06/23 15:03	01/09/23 01:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 15:03	01/09/23 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/06/23 15:03*	*01/09/23 01:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/06/23 15:03*	*01/09/23 01:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		5.05		mg/Kg			01/12/23 14:35	1

Client Sample ID: SW-39

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-91
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 21:43	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 21:43	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		01/09/23 10:48	01/10/23 21:43	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		01/09/23 10:48	01/10/23 21:43	1
o-Xylene	**0.00312**	***- *1**	0.00200		mg/Kg		01/09/23 10:48	01/10/23 21:43	1
Xylenes, Total	<0.00401	U *-	0.00401		mg/Kg		01/09/23 10:48	01/10/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:48*	*01/10/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2060**		50.0		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 04:36	1
Diesel Range Organics (Over C10-C28)	**1780**		50.0		mg/Kg		01/06/23 15:03	01/09/23 04:36	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-39

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-91
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**275**		50.0		mg/Kg		01/06/23 15:03	01/09/23 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:36*	*1*
o-Terphenyl	*108*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**369**		5.01		mg/Kg			01/12/23 14:41	1

Client Sample ID: SW-40

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-92
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:09	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:09	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:09	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		01/09/23 10:48	01/10/23 22:09	1
o-Xylene	**0.0142**	***- *1**	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:09	1
Xylenes, Total	**0.0142**	***-**	0.00398		mg/Kg		01/09/23 10:48	01/10/23 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/09/23 10:48*	*01/10/23 22:09*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/09/23 10:48*	*01/10/23 22:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0142**		0.00398		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**740**		50.0		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 04:58	1
Diesel Range Organics (Over C10-C28)	**648**		50.0		mg/Kg		01/06/23 15:03	01/09/23 04:58	1
Oil Range Organics (Over C28-C36)	**92.0**		50.0		mg/Kg		01/06/23 15:03	01/09/23 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:58*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		4.95		mg/Kg			01/12/23 14:47	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-42

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-93

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:35	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:35	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:35	1
m-Xylene & p-Xylene	**0.00488**	***- *1**	0.00398		mg/Kg		01/09/23 10:48	01/10/23 22:35	1
o-Xylene	**0.00902**	***- *1**	0.00199		mg/Kg		01/09/23 10:48	01/10/23 22:35	1
Xylenes, Total	**0.0139**	***-**	0.00398		mg/Kg		01/09/23 10:48	01/10/23 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:48*	*01/10/23 22:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:48*	*01/10/23 22:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0139**		0.00398		mg/Kg			01/11/23 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6050**		49.9		mg/Kg			01/09/23 17:57	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		01/06/23 15:03	01/09/23 04:15	1
Diesel Range Organics (Over C10-C28)	**5320**		49.9		mg/Kg		01/06/23 15:03	01/09/23 04:15	1
Oil Range Organics (Over C28-C36)	**728**		49.9		mg/Kg		01/06/23 15:03	01/09/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:15*	*1*
o-Terphenyl	*104*		*70 - 130*	*01/06/23 15:03*	*01/09/23 04:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1690**		25.0		mg/Kg			01/12/23 22:46	5

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
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)
880-23427-A-60-D MS	Matrix Spike	106	104
880-23427-A-60-E MSD	Matrix Spike Duplicate	100	104
890-3761-1	BH-64 (6')	91	96
890-3761-1 MS	BH-64 (6')	82	102
890-3761-1 MSD	BH-64 (6')	88	102
890-3761-2	BH-65 (4')	90	101
890-3761-3	BH-66 (4')	80	84
890-3761-4	BH-67 (4')	167 S1+	90
890-3761-5	BH-68 (4')	88	131 S1+
890-3761-6	BH-69 (4')	99	94
890-3761-7	BH-70 (6')	85	92
890-3761-8	BH-71 (6')	88	94
890-3761-9	BH-72 (6')	72	91
890-3761-10	BH-73 (6')	98	99
890-3761-11	BH-74 (7')	88	94
890-3761-12	BH-75 (7')	106	100
890-3761-13	BH-76 (3')	84	86
890-3761-14	BH-77 (7')	87	70
890-3761-15	BH-78 (7')	88	95
890-3761-16	BH-79 (6')	56 S1-	101
890-3761-17	BH-80 (6')	114	93
890-3761-18	BH-81 (6')	9 S1-	99
890-3761-19	BH-82 (6')	82	93
890-3761-20	BH-83 (6')	97	98
890-3761-21	BH-84 (6')	109	105
890-3761-21 MS	BH-84 (6')	100	108
890-3761-21 MSD	BH-84 (6')	102	103
890-3761-22	SW-43	42 S1-	85
890-3761-23	SW-44	111	101
890-3761-24	SW-45	108	108
890-3761-25	SW-46	122	102
890-3761-26	SW-47	108	106
890-3761-27	SW-48	116	101
890-3761-28	SW-49	117	108
890-3761-29	SW-50	110	105
890-3761-30	SW-51	99	92
890-3761-31	SW-52	103	106
890-3761-32	SW-53	110	101
890-3761-33	SW-54	121	103
890-3761-34	SW-55	116	107
890-3761-35	SW-56	113	109
890-3761-36	SW-57	112	110
890-3761-37	SW-58	104	107
890-3761-38	SW-59	107	96
890-3761-39	SW-60	117	111
890-3761-40	SW-61	103	91
890-3761-41	BH-6 (4')	111	96
890-3761-41 MS	BH-6 (4')	112	78
890-3761-41 MSD	BH-6 (4')	106	91

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 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)										
890-3761-42	BH-7 (6')	128	0.1 S1-										
890-3761-43	BH-8 (4')	127	97										
890-3761-44	BH-9 (6')	121	96										
890-3761-45	BH-10 (6')	126	96										
890-3761-46	BH-11 (4')	114	95										
890-3761-47	BH-12 (4')	125	98										
890-3761-48	BH-13 (4')	130	108										
890-3761-49	BH-15 (4')	94	102										
890-3761-50	BH-17 (4')	136 S1+	88										
890-3761-51	BH-18 (4')	107	97										
890-3761-52	BH-19 (4')	107	96										
890-3761-53	BH-20 (4')	121	99										
890-3761-54	BH-21 (4')	102	68 S1-										
890-3761-55	BH-22 (4')	117	84										
890-3761-56	BH-23 (4')	76	80										
890-3761-57	BH-24 (4')	60 S1-	69 S1-										
890-3761-58	BH-25 (4')	162 S1+	91										
890-3761-59	BH-26 (4')	133 S1+	93										
890-3761-60	BH-27 (4')	125	98										
890-3761-61	BH-28 (6')	112	94										
890-3761-61 MS	BH-28 (6')	101	96										
890-3761-61 MSD	BH-28 (6')	92	104										
890-3761-62	BH-29 (4')	110	99										
890-3761-63	BH-31 (7.5')	109	94										
890-3761-64	BH-42 (4.5')	109	98										
890-3761-65	BH-43 (4.5')	98	97										
890-3761-66	BH-44 (4.5')	100	94										
890-3761-67	BH-49 (6')	97	92										
890-3761-68	BH-50 (4')	95	93										
890-3761-69	BH-51 (6')	97	95										
890-3761-70	BH-53 (4')	114	98										
890-3761-71	BH-54 (6')	100	95										
890-3761-72	BH-55 (5')	114	99										
890-3761-73	BH-56 (3')	119	94										
890-3761-74	BH-58 (3')	114	87										
890-3761-75	BH-14 (4')	108	99										
890-3761-76	SW-5	113	107										
890-3761-77	SW-6	114	104										
890-3761-78	SW-7	112	106										
890-3761-79	SW-15	106	106										
890-3761-80	SW-17	111	102										
890-3761-81	SW-21	101	91										
890-3761-81 MS	SW-21	91	83										
890-3761-81 MSD	SW-21	99	89										
890-3761-82	SW-22	100	97										
890-3761-83	SW-23	100	97										
890-3761-84	SW-24	97	100										
890-3761-85	SW-26	95	90										
890-3761-86	SW-27	108	97										

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 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)
890-3761-87	SW-32	0.0006 S1-	103
890-3761-88	SW-33	117	106
890-3761-89	SW-37	90	88
890-3761-90	SW-38	977 S1+	912 S1+
890-3761-91	SW-39	103	97
890-3761-92	SW-40	112	102
890-3761-93	SW-42	97	98
LCS 880-43506/1-A	Lab Control Sample	95	87
LCS 880-43507/1-A	Lab Control Sample	100	106
LCS 880-43508/1-A	Lab Control Sample	95	89
LCS 880-43509/1-A	Lab Control Sample	106	106
LCS 880-43510/1-A	Lab Control Sample	107	99
LCS 880-43798/1-A	Lab Control Sample	107	103
LCSD 880-43506/2-A	Lab Control Sample Dup	105	104
LCSD 880-43507/2-A	Lab Control Sample Dup	102	106
LCSD 880-43508/2-A	Lab Control Sample Dup	107	88
LCSD 880-43509/2-A	Lab Control Sample Dup	85	91
LCSD 880-43510/2-A	Lab Control Sample Dup	96	93
LCSD 880-43798/2-A	Lab Control Sample Dup	107	101
MB 880-43278/5-A	Method Blank	99	105
MB 880-43282/5-A	Method Blank	62 S1-	96
MB 880-43506/5-A	Method Blank	62 S1-	87
MB 880-43507/5-A	Method Blank	100	104
MB 880-43508/5-A	Method Blank	99	87
MB 880-43509/5-A	Method Blank	66 S1-	88
MB 880-43510/5-A	Method Blank	64 S1-	87
MB 880-43543/5-A	Method Blank	102	103
MB 880-43695/8	Method Blank	67 S1-	93
MB 880-43798/5-A	Method Blank	105	103

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)
890-3761-1	BH-64 (6')	92	103
890-3761-2	BH-65 (4')	99	102
890-3761-3	BH-66 (4')	86	94
890-3761-4	BH-67 (4')	96	105
890-3761-5	BH-68 (4')	77	92
890-3761-6	BH-69 (4')	75	88
890-3761-7	BH-70 (6')	77	88
890-3761-8	BH-71 (6')	4 S1-	6 S1-
890-3761-9	BH-72 (6')	80	96
890-3761-10	BH-73 (6')	82	98

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-3761-11	BH-74 (7')	97	99								
890-3761-12	BH-75 (7')	84	94								
890-3761-13	BH-76 (3')	85	104								
890-3761-14	BH-77 (7')	79	92								
890-3761-15	BH-78 (7')	80	93								
890-3761-16	BH-79 (6')	80	92								
890-3761-17	BH-80 (6')	100	106								
890-3761-18	BH-81 (6')	95	104								
890-3761-19	BH-82 (6')	97	100								
890-3761-20	BH-83 (6')	97	98								
890-3761-20 MS	BH-83 (6')	97	91								
890-3761-20 MSD	BH-83 (6')	110	89								
890-3761-21	BH-84 (6')	87	88								
890-3761-22	SW-43	91	92								
890-3761-23	SW-44	87	87								
890-3761-24	SW-45	103	103								
890-3761-25	SW-46	89	90								
890-3761-26	SW-47	102	99								
890-3761-27	SW-48	98	99								
890-3761-28	SW-49	5 S1-	4 S1-								
890-3761-29	SW-50	90	90								
890-3761-30	SW-51	106	100								
890-3761-31	SW-52	88	89								
890-3761-32	SW-53	95	89								
890-3761-33	SW-54	101	100								
890-3761-34	SW-55	97	96								
890-3761-35	SW-56	81	84								
890-3761-35 MS	SW-56	89	83								
890-3761-35 MSD	SW-56	94	87								
890-3761-36	SW-57	82	83								
890-3761-37	SW-58	97	94								
890-3761-38	SW-59	100	99								
890-3761-39	SW-60	95	93								
890-3761-40	SW-61	91	90								
890-3761-41	BH-6 (4')	88	80								
890-3761-41 MS	BH-6 (4')	83	72								
890-3761-41 MSD	BH-6 (4')	95	81								
890-3761-42	BH-7 (6')	96	87								
890-3761-43	BH-8 (4')	99	95								
890-3761-44	BH-9 (6')	95	93								
890-3761-45	BH-10 (6')	96	91								
890-3761-46	BH-11 (4')	95	87								
890-3761-47	BH-12 (4')	92	88								
890-3761-48	BH-13 (4')	100	100								
890-3761-49	BH-15 (4')	99	98								
890-3761-50	BH-17 (4')	87	80								
890-3761-51	BH-18 (4')	95	86								
890-3761-52	BH-19 (4')	84	81								
890-3761-53	BH-20 (4')	85	84								
890-3761-54	BH-21 (4')	81	76								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-3761-55	BH-22 (4')	95	87								
890-3761-56	BH-23 (4')	82	82								
890-3761-57	BH-24 (4')	95	86								
890-3761-58	BH-25 (4')	105	98								
890-3761-59	BH-26 (4')	93	91								
890-3761-60	BH-27 (4')	93	85								
890-3761-61	BH-28 (6')	89	100								
890-3761-61 MS	BH-28 (6')	110	109								
890-3761-61 MSD	BH-28 (6')	95	95								
890-3761-62	BH-29 (4')	100	106								
890-3761-63	BH-31 (7.5')	102	115								
890-3761-64	BH-42 (4.5')	87	99								
890-3761-65	BH-43 (4.5')	89	101								
890-3761-66	BH-44 (4.5')	88	98								
890-3761-67	BH-49 (6')	89	96								
890-3761-68	BH-50 (4')	86	95								
890-3761-69	BH-51 (6')	104	114								
890-3761-70	BH-53 (4')	92	106								
890-3761-71	BH-54 (6')	92	104								
890-3761-72	BH-55 (5')	102	114								
890-3761-73	BH-56 (3')	89	99								
890-3761-74	BH-58 (3')	103	113								
890-3761-75	BH-14 (4')	86	97								
890-3761-76	SW-5	89	99								
890-3761-77	SW-6	90	101								
890-3761-78	SW-7	83	92								
890-3761-79	SW-15	91	95								
890-3761-80	SW-17	99	108								
890-3761-81	SW-21	105	112								
890-3761-81 MS	SW-21	86	86								
890-3761-81 MSD	SW-21	87	87								
890-3761-82	SW-22	81	89								
890-3761-83	SW-23	103	110								
890-3761-84	SW-24	86	92								
890-3761-85	SW-26	84	92								
890-3761-86	SW-27	96	106								
890-3761-87	SW-32	83	92								
890-3761-88	SW-33	79	84								
890-3761-89	SW-37	85	93								
890-3761-90	SW-38	84	91								
890-3761-91	SW-39	100	108								
890-3761-92	SW-40	81	88								
890-3761-93	SW-42	97	104								
LCS 880-43401/2-A	Lab Control Sample	112	106								
LCS 880-43402/2-A	Lab Control Sample	94	97								
LCS 880-43403/2-A	Lab Control Sample	105	95								
LCS 880-43405/2-A	Lab Control Sample	96	98								
LCS 880-43417/2-A	Lab Control Sample	96	95								
LCSD 880-43401/3-A	Lab Control Sample Dup	128	115								
LCSD 880-43402/3-A	Lab Control Sample Dup	102	100								

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3761-1
Project/Site: JR Oil - MLMU 271 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)										
LCSD 880-43403/3-A	Lab Control Sample Dup	118	107										
LCSD 880-43405/3-A	Lab Control Sample Dup	102	101										
LCSD 880-43417/3-A	Lab Control Sample Dup	96	95										
MB 880-43401/1-A	Method Blank	144 S1+	147 S1+										
MB 880-43402/1-A	Method Blank	129	145 S1+										
MB 880-43403/1-A	Method Blank	132 S1+	116										
MB 880-43405/1-A	Method Blank	134 S1+	149 S1+										
MB 880-43417/1-A	Method Blank	127	135 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43278/5-A
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:02	01/09/23 11:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:02	01/09/23 11:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:02	01/09/23 11:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/23 14:02	01/09/23 11:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:02	01/09/23 11:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/23 14:02	01/09/23 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/05/23 14:02*	*01/09/23 11:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/05/23 14:02*	*01/09/23 11:53*	*1*

Lab Sample ID: MB 880-43282/5-A
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:23	01/09/23 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:23	01/09/23 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:23	01/09/23 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/23 14:23	01/09/23 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 14:23	01/09/23 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/23 14:23	01/09/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*01/05/23 14:23*	*01/09/23 12:04*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/05/23 14:23*	*01/09/23 12:04*	*1*

Lab Sample ID: MB 880-43506/5-A
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 01:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:35	01/10/23 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:35	01/10/23 01:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:35	01/10/23 01:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*01/09/23 10:35*	*01/10/23 01:50*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*01/09/23 10:35*	*01/10/23 01:50*	*1*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-43506/1-A
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43506

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07158		mg/Kg		72	70 - 130		
Toluene			0.100	0.07514		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.07937		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1672		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.08589		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-43506/2-A
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43506

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09144		mg/Kg		91	70 - 130	24	35
Toluene			0.100	0.08579		mg/Kg		86	70 - 130	13	35
Ethylbenzene			0.100	0.08632		mg/Kg		86	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1802		mg/Kg		90	70 - 130	8	35
o-Xylene			0.100	0.09808		mg/Kg		98	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-3761-1 MS
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: BH-64 (6')
Prep Type: Total/NA
Prep Batch: 43506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U F2 F1	0.100	0.04160	F1	mg/Kg		42	70 - 130		
Toluene	<0.00202	U F1	0.100	0.03894	F1	mg/Kg		39	70 - 130		
Ethylbenzene	<0.00202	U F1	0.100	0.03429	F1	mg/Kg		34	70 - 130		
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.06814	F1	mg/Kg		34	70 - 130		
o-Xylene	<0.00202	U F2 F1	0.100	0.03448	F1	mg/Kg		34	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-3761-1 MSD
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: BH-64 (6')
Prep Type: Total/NA
Prep Batch: 43506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.0990	0.05998	F2 F1	mg/Kg		61	70 - 130	36	35
Toluene	<0.00202	U F1	0.0990	0.05307	F1	mg/Kg		54	70 - 130	31	35
Ethylbenzene	<0.00202	U F1	0.0990	0.04607	F1	mg/Kg		47	70 - 130	29	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-1 MSD
Matrix: Solid
Analysis Batch: 43468

Client Sample ID: BH-64 (6')
Prep Type: Total/NA
Prep Batch: 43506

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 F1	0.198	0.08710	F1	mg/Kg		44	70 - 130	24	35
o-Xylene	<0.00202	U F2 F1	0.0990	0.04957	F2 F1	mg/Kg		50	70 - 130	36	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-43507/5-A
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/09/23 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/09/23 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/09/23 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:38	01/09/23 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:38	01/09/23 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:38	01/09/23 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:38*	*01/09/23 23:30*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/09/23 10:38*	*01/09/23 23:30*	*1*

Lab Sample ID: LCS 880-43507/1-A
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09859		mg/Kg		99	70 - 130
Toluene	0.100	0.09346		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09116		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09119		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-43507/2-A
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09776		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09023		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09201		mg/Kg		92	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130	1	35
o-Xylene	0.100	0.09140		mg/Kg		91	70 - 130	0	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

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

Lab Sample ID: 890-3761-21 MS
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: BH-84 (6')
Prep Type: Total/NA
Prep Batch: 43507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.08122		mg/Kg		81	70 - 130
Toluene	<0.00201	U F1	0.101	0.06880	F1	mg/Kg		68	70 - 130
Ethylbenzene	<0.00201	U F1	0.101	0.05739	F1	mg/Kg		57	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1147	F1	mg/Kg		56	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.05348	F1	mg/Kg		53	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-3761-21 MSD
Matrix: Solid
Analysis Batch: 43470

Client Sample ID: BH-84 (6')
Prep Type: Total/NA
Prep Batch: 43507

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	0.08396		mg/Kg		85	70 - 130	3	35
Toluene	<0.00201	U F1	0.0990	0.07460		mg/Kg		75	70 - 130	8	35
Ethylbenzene	<0.00201	U F1	0.0990	0.06285	F1	mg/Kg		63	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1266	F1	mg/Kg		63	70 - 130	10	35
o-Xylene	<0.00201	U F1	0.0990	0.06041	F1	mg/Kg		61	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-43508/5-A
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:42	01/10/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:42	01/10/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:42	01/10/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/09/23 10:42	01/10/23 10:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/23 10:42	01/10/23 10:53	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-43508/1-A
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43508

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08383		mg/Kg		84	70 - 130		
Toluene			0.100	0.08261		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.07463		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene			0.200	0.1593		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.08219		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-43508/2-A
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43508

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08320		mg/Kg		83	70 - 130	1	35
Toluene			0.100	0.08426		mg/Kg		84	70 - 130	2	35
Ethylbenzene			0.100	0.07922		mg/Kg		79	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1754		mg/Kg		88	70 - 130	10	35
o-Xylene			0.100	0.09076		mg/Kg		91	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-3761-41 MS
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: BH-6 (4')
Prep Type: Total/NA
Prep Batch: 43508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F2 F1	0.101	0.01102	F1	mg/Kg		11	70 - 130		
Toluene	<0.00201	U F2 F1	0.101	0.01743	F1	mg/Kg		17	70 - 130		
Ethylbenzene	<0.00201	U F2 F1	0.101	0.01897	F1	mg/Kg		19	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.202	0.03881	F1	mg/Kg		19	70 - 130		
o-Xylene	<0.00201	U F2 F1	0.101	0.02739	F1	mg/Kg		27	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 890-3761-41 MSD
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: BH-6 (4')
Prep Type: Total/NA
Prep Batch: 43508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.0990	0.06317	F2 F1	mg/Kg		64	70 - 130	141	35
Toluene	<0.00201	U F2 F1	0.0990	0.06360	F2 F1	mg/Kg		64	70 - 130	114	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.05694	F2 F1	mg/Kg		58	70 - 130	100	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-41 MSD
Matrix: Solid
Analysis Batch: 43598

Client Sample ID: BH-6 (4')
Prep Type: Total/NA
Prep Batch: 43508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.1280	F2 F1	mg/Kg		65	70 - 130	107	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.07060	F2	mg/Kg		71	70 - 130	88	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: MB 880-43509/5-A
Matrix: Solid
Analysis Batch: 43695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 15:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 15:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 15:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:44	01/11/23 15:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:44	01/11/23 15:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:44	01/11/23 15:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*01/09/23 10:44*	*01/11/23 15:53*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/09/23 10:44*	*01/11/23 15:53*	*1*

Lab Sample ID: LCS 880-43509/1-A
Matrix: Solid
Analysis Batch: 43695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1252		mg/Kg		125	70 - 130
Toluene	0.100	0.1109		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1104		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2290		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		108	70 - 130

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

Lab Sample ID: LCSD 880-43509/2-A
Matrix: Solid
Analysis Batch: 43695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09169		mg/Kg		92	70 - 130	31	35
Toluene	0.100	0.08442		mg/Kg		84	70 - 130	27	35
Ethylbenzene	0.100	0.08610		mg/Kg		86	70 - 130	25	35
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130	24	35
o-Xylene	0.100	0.08726		mg/Kg		87	70 - 130	21	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-3761-61 MS — **Client Sample ID: BH-28 (6')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43695 — **Prep Batch: 43509**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1065		mg/Kg		106	70 - 130
Toluene	<0.00202	U	0.100	0.08813		mg/Kg		88	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.08444		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1699		mg/Kg		85	70 - 130
o-Xylene	<0.00202	U	0.100	0.08483		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-3761-61 MSD — **Client Sample ID: BH-28 (6')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43695 — **Prep Batch: 43509**

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	0.1047		mg/Kg		106	70 - 130	2	35
Toluene	<0.00202	U	0.0990	0.08729		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.0990	0.08346		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1688		mg/Kg		85	70 - 130	1	35
o-Xylene	<0.00202	U	0.0990	0.08242		mg/Kg		83	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-43510/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43646 — **Prep Batch: 43510**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:48	01/10/23 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:48	01/10/23 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:48	01/10/23 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:48	01/10/23 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:48	01/10/23 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:48	01/10/23 15:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	01/09/23 10:48	01/10/23 15:38	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/23 10:48	01/10/23 15:38	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-43510/1-A
Matrix: Solid
Analysis Batch: 43646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43510

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1101		mg/Kg		110	70 - 130		
Toluene			0.100	0.1113		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.02723	*-	mg/Kg		14	70 - 130		
o-Xylene			0.100	0.1121		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-43510/2-A
Matrix: Solid
Analysis Batch: 43646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43510

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.05616	*- *1	mg/Kg		56	70 - 130	65	35
Toluene			0.100	0.05733	*- *1	mg/Kg		57	70 - 130	64	35
Ethylbenzene			0.100	0.05954	*- *1	mg/Kg		60	70 - 130	55	35
m-Xylene & p-Xylene			0.200	0.1242	*- *1	mg/Kg		62	70 - 130	128	35
o-Xylene			0.100	0.06533	*- *1	mg/Kg		65	70 - 130	53	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-3761-81 MS
Matrix: Solid
Analysis Batch: 43646

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 43510

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U *- *1	0.101	0.07969		mg/Kg		79	70 - 130		
Toluene	<0.00201	U *- *1	0.101	0.08091		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00201	U *- *1	0.101	0.08013		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene	<0.00402	U *- *1	0.202	0.1651		mg/Kg		82	70 - 130		
o-Xylene	<0.00201	U *- *1	0.101	0.07866		mg/Kg		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 890-3761-81 MSD
Matrix: Solid
Analysis Batch: 43646

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 43510

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- *1	0.0990	0.07492		mg/Kg		76	70 - 130	6	35
Toluene	<0.00201	U *- *1	0.0990	0.07612		mg/Kg		77	70 - 130	6	35
Ethylbenzene	<0.00201	U *- *1	0.0990	0.07715		mg/Kg		78	70 - 130	4	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-81 MSD
Matrix: Solid
Analysis Batch: 43646

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 43510

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U *- *1	0.198	0.1597		mg/Kg		81	70 - 130	3	35
o-Xylene	<0.00201	U *- *1	0.0990	0.07734		mg/Kg		78	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-43543/5-A
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:59	01/12/23 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 12:59	01/12/23 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 12:59	01/12/23 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/09/23 12:59*	*01/12/23 12:39*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 12:59*	*01/12/23 12:39*	*1*

Lab Sample ID: MB 880-43695/8
Matrix: Solid
Analysis Batch: 43695

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			01/11/23 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg			01/11/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			01/11/23 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			01/11/23 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			01/11/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			01/11/23 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*		*01/11/23 11:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*01/11/23 11:49*	*1*

Lab Sample ID: MB 880-43798/5-A
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 00:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 00:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 00:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/12/23 09:36	01/13/23 00:15	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43798/5-A
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/23 09:36	01/13/23 00:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/12/23 09:36	01/13/23 00:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*01/12/23 09:36*	*01/13/23 00:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/12/23 09:36*	*01/13/23 00:15*	*1*

Lab Sample ID: LCS 880-43798/1-A
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43798

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1072		mg/Kg		107	70 - 130		
Toluene			0.100	0.1006		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09693		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2000		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.09693		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-43798/2-A
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43798

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1049		mg/Kg		105	70 - 130	2	35
Toluene			0.100	0.09922		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.09609		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1987		mg/Kg		99	70 - 130	1	35
o-Xylene			0.100	0.09567		mg/Kg		96	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-23427-A-60-D MS
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.1076		mg/Kg		108	70 - 130		
Toluene	<0.00200	U	0.0998	0.09829		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.09621		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1987		mg/Kg		100	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09623		mg/Kg		96	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 880-23427-A-60-D MS
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43798

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-23427-A-60-E MSD
Matrix: Solid
Analysis Batch: 43790

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.09822		mg/Kg		97	70 - 130	9	35
Toluene	<0.00200	U	0.101	0.09127		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.101	0.08832		mg/Kg		88	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.202	0.1831		mg/Kg		91	70 - 130	8	35
o-Xylene	<0.00200	U	0.101	0.08885		mg/Kg		88	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-43401/1-A
Matrix: Solid
Analysis Batch: 43315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43401

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		01/06/23 13:51	01/06/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/06/23 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:51	01/06/23 20:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*01/06/23 13:51*	*01/06/23 20:08*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*01/06/23 13:51*	*01/06/23 20:08*	*1*

Lab Sample ID: LCS 880-43401/2-A
Matrix: Solid
Analysis Batch: 43315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	807.8		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	878.9		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-43401/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43315 — **Prep Batch: 43401**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	916.6		mg/Kg		92	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	946.9		mg/Kg		95	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 890-3761-20 MS — **Client Sample ID: BH-83 (6')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43315 — **Prep Batch: 43401**

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	1021		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1082		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 890-3761-20 MSD — **Client Sample ID: BH-83 (6')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43315 — **Prep Batch: 43401**

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	1013		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1068		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: MB 880-43402/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43317 — **Prep Batch: 43402**

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		01/06/23 13:54	01/06/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/06/23 20:08	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 13:54	01/06/23 20:08	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43402/1-A
Matrix: Solid
Analysis Batch: 43317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43402

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	01/06/23 13:54	01/06/23 20:08	1
o-Terphenyl	145	S1+	70 - 130	01/06/23 13:54	01/06/23 20:08	1

Lab Sample ID: LCS 880-43402/2-A
Matrix: Solid
Analysis Batch: 43317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43402

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	802.9		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	841.8		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-43402/3-A
Matrix: Solid
Analysis Batch: 43317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43402

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	815.8		mg/Kg		82	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	900.6		mg/Kg		90	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-3761-35 MS
Matrix: Solid
Analysis Batch: 43317

Client Sample ID: SW-56
Prep Type: Total/NA
Prep Batch: 43402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	983.9		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	980.0		mg/Kg		95	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-35 MSD
Matrix: Solid
Analysis Batch: 43317

Client Sample ID: SW-56
Prep Type: Total/NA
Prep Batch: 43402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1060		mg/Kg		106	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1022		mg/Kg		100	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: MB 880-43403/1-A
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43403

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		01/06/23 14:28	01/07/23 21:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/07/23 21:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:28	01/07/23 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*01/06/23 14:28*	*01/07/23 21:20*	*1*
o-Terphenyl	*116*		*70 - 130*	*01/06/23 14:28*	*01/07/23 21:20*	*1*

Lab Sample ID: LCS 880-43403/2-A
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43403

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	824.5		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	876.4		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-43403/3-A
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43403

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	862.4		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	981.2		mg/Kg		98	70 - 130	11	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-43403/3-A
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43403

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-3761-41 MS
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: BH-6 (4')
Prep Type: Total/NA
Prep Batch: 43403

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	772.1		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	214	F1	998	840.3	F1	mg/Kg		63	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 890-3761-41 MSD
Matrix: Solid
Analysis Batch: 43454

Client Sample ID: BH-6 (4')
Prep Type: Total/NA
Prep Batch: 43403

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	935.2		mg/Kg		94	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	214	F1	997	932.9		mg/Kg		72	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: MB 880-43405/1-A
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43405

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		01/06/23 14:30	01/07/23 21:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/07/23 21:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 14:30	01/07/23 21:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	01/06/23 14:30	01/07/23 21:20	1
o-Terphenyl	149	S1+	70 - 130	01/06/23 14:30	01/07/23 21:20	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-43405/2-A
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43405

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	913.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	872.1		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-43405/3-A
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43405

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1010		mg/Kg		101	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	919.2		mg/Kg		92	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: 890-3761-61 MS
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: BH-28 (6')
Prep Type: Total/NA
Prep Batch: 43405

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 F2	998	1097		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	83.9		998	1108		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 890-3761-61 MSD
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: BH-28 (6')
Prep Type: Total/NA
Prep Batch: 43405

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 F2	997	802.3	F2	mg/Kg		78	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	83.9		997	968.7		mg/Kg		89	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-61 MSD
Matrix: Solid
Analysis Batch: 43452

Client Sample ID: BH-28 (6')
Prep Type: Total/NA
Prep Batch: 43405

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	95		70 - 130

Lab Sample ID: MB 880-43417/1-A
Matrix: Solid
Analysis Batch: 43458

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43417

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		01/06/23 15:03	01/08/23 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/06/23 15:03	01/08/23 20:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/23 15:03	01/08/23 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	01/06/23 15:03	01/08/23 20:06	1
o-Terphenyl	135	S1+	70 - 130	01/06/23 15:03	01/08/23 20:06	1

Lab Sample ID: LCS 880-43417/2-A
Matrix: Solid
Analysis Batch: 43458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	937.1		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	850.7		mg/Kg		85	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-43417/3-A
Matrix: Solid
Analysis Batch: 43458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43417

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	941.6		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	862.8		mg/Kg		86	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

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

Lab Sample ID: 890-3761-81 MS
Matrix: Solid
Analysis Batch: 43458

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 43417

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	814.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	140		998	960.4		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: 890-3761-81 MSD
Matrix: Solid
Analysis Batch: 43458

Client Sample ID: SW-21
Prep Type: Total/NA
Prep Batch: 43417

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	816.1		mg/Kg		78	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	140		997	971.7		mg/Kg		83	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43408/1-A
Matrix: Solid
Analysis Batch: 43616

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			01/11/23 09:40	1

Lab Sample ID: LCS 880-43408/2-A
Matrix: Solid
Analysis Batch: 43616

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-43408/3-A
Matrix: Solid
Analysis Batch: 43616

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	249.3		mg/Kg		100	90 - 110	5	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3761-21 MS — **Client Sample ID: BH-84 (6')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	556		250	787.5		mg/Kg		92	90 - 110

Lab Sample ID: 890-3761-21 MSD — **Client Sample ID: BH-84 (6')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	556		250	794.0		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-3761-31 MS — **Client Sample ID: SW-52**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	323		248	596.0		mg/Kg		110	90 - 110

Lab Sample ID: 890-3761-31 MSD — **Client Sample ID: SW-52**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	323		248	587.1		mg/Kg		107	90 - 110	2	20

Lab Sample ID: MB 880-43407/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/10/23 18:26	1

Lab Sample ID: LCS 880-43407/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-43407/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43617

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.9		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-3761-1 MS — **Client Sample ID: BH-64 (6')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	172		252	429.0		mg/Kg		102	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3761-1 MSD
Matrix: Solid
Analysis Batch: 43617

Client Sample ID: BH-64 (6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	172		252	430.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-3761-11 MS
Matrix: Solid
Analysis Batch: 43617

Client Sample ID: BH-74 (7')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	466	F1	250	753.1	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-3761-11 MSD
Matrix: Solid
Analysis Batch: 43617

Client Sample ID: BH-74 (7')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	466	F1	250	763.8	F1	mg/Kg		119	90 - 110	1	20

Lab Sample ID: MB 880-43409/1-A
Matrix: Solid
Analysis Batch: 43618

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			01/11/23 15:03	1

Lab Sample ID: LCS 880-43409/2-A
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.3		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-43409/3-A
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.1		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-3761-41 MS
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: BH-6 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	216		251	482.2		mg/Kg		106	90 - 110

Lab Sample ID: 890-3761-41 MSD
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: BH-6 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	216		251	483.9		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3761-51 MS
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: BH-18 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	116		248	384.3		mg/Kg		108	90 - 110

Lab Sample ID: 890-3761-51 MSD
Matrix: Solid
Analysis Batch: 43618

Client Sample ID: BH-18 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	116		248	382.9		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-43410/1-A
Matrix: Solid
Analysis Batch: 43620

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			01/11/23 17:56	1

Lab Sample ID: LCS 880-43410/2-A
Matrix: Solid
Analysis Batch: 43620

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.3		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-43410/3-A
Matrix: Solid
Analysis Batch: 43620

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	264.8		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-3761-61 MS
Matrix: Solid
Analysis Batch: 43620

Client Sample ID: BH-28 (6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	97.4		252	359.1		mg/Kg		104	90 - 110

Lab Sample ID: 890-3761-61 MSD
Matrix: Solid
Analysis Batch: 43620

Client Sample ID: BH-28 (6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	97.4		252	360.8		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-3761-71 MS
Matrix: Solid
Analysis Batch: 43620

Client Sample ID: BH-54 (6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	849		250	1096		mg/Kg		98	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3761-71 MSD
Matrix: Solid
Analysis Batch: 43620

Client Sample ID: BH-54 (6')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	849		250	1096		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-43411/1-A
Matrix: Solid
Analysis Batch: 43621

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			01/12/23 09:40	1

Lab Sample ID: LCS 880-43411/2-A
Matrix: Solid
Analysis Batch: 43621

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.9		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-43411/3-A
Matrix: Solid
Analysis Batch: 43621

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	273.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-43412/1-A
Matrix: Solid
Analysis Batch: 43622

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			01/12/23 20:00	1

Lab Sample ID: LCS 880-43412/2-A
Matrix: Solid
Analysis Batch: 43622

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.5		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-43412/3-A
Matrix: Solid
Analysis Batch: 43622

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	271.4		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-3763-A-4-G MS
Matrix: Solid
Analysis Batch: 43622

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	4940		1240	6303		mg/Kg		110	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3763-A-4-H MSD
Matrix: Solid
Analysis Batch: 43622

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	4940		1240	6228		mg/Kg		104	90 - 110	1	20

Lab Sample ID: MB 880-43413/1-A
Matrix: Solid
Analysis Batch: 43623

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			01/12/23 13:15	1

Lab Sample ID: LCS 880-43413/2-A
Matrix: Solid
Analysis Batch: 43623

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-43413/3-A
Matrix: Solid
Analysis Batch: 43623

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	254.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-3761-85 MS
Matrix: Solid
Analysis Batch: 43623

Client Sample ID: SW-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82.5	F1	251	404.2	F1	mg/Kg		128	90 - 110

Lab Sample ID: 890-3761-85 MSD
Matrix: Solid
Analysis Batch: 43623

Client Sample ID: SW-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.5	F1	251	403.0	F1	mg/Kg		128	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA

Prep Batch: 43278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43278/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43282/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 43468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	8021B	43506
890-3761-2	BH-65 (4')	Total/NA	Solid	8021B	43506
890-3761-3	BH-66 (4')	Total/NA	Solid	8021B	43506
890-3761-4	BH-67 (4')	Total/NA	Solid	8021B	43506
890-3761-5	BH-68 (4')	Total/NA	Solid	8021B	43506
890-3761-6	BH-69 (4')	Total/NA	Solid	8021B	43506
890-3761-7	BH-70 (6')	Total/NA	Solid	8021B	43506
890-3761-8	BH-71 (6')	Total/NA	Solid	8021B	43506
890-3761-9	BH-72 (6')	Total/NA	Solid	8021B	43506
890-3761-10	BH-73 (6')	Total/NA	Solid	8021B	43506
890-3761-11	BH-74 (7')	Total/NA	Solid	8021B	43506
890-3761-12	BH-75 (7')	Total/NA	Solid	8021B	43506
890-3761-13	BH-76 (3')	Total/NA	Solid	8021B	43506
890-3761-14	BH-77 (7')	Total/NA	Solid	8021B	43506
890-3761-15	BH-78 (7')	Total/NA	Solid	8021B	43506
890-3761-16	BH-79 (6')	Total/NA	Solid	8021B	43506
890-3761-17	BH-80 (6')	Total/NA	Solid	8021B	43506
890-3761-18	BH-81 (6')	Total/NA	Solid	8021B	43506
890-3761-19	BH-82 (6')	Total/NA	Solid	8021B	43506
890-3761-20	BH-83 (6')	Total/NA	Solid	8021B	43506
MB 880-43282/5-A	Method Blank	Total/NA	Solid	8021B	43282
MB 880-43506/5-A	Method Blank	Total/NA	Solid	8021B	43506
LCS 880-43506/1-A	Lab Control Sample	Total/NA	Solid	8021B	43506
LCSD 880-43506/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43506
890-3761-1 MS	BH-64 (6')	Total/NA	Solid	8021B	43506
890-3761-1 MSD	BH-64 (6')	Total/NA	Solid	8021B	43506

Analysis Batch: 43470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Total/NA	Solid	8021B	43507
890-3761-22	SW-43	Total/NA	Solid	8021B	43507
890-3761-23	SW-44	Total/NA	Solid	8021B	43507
890-3761-24	SW-45	Total/NA	Solid	8021B	43507
890-3761-25	SW-46	Total/NA	Solid	8021B	43507
890-3761-26	SW-47	Total/NA	Solid	8021B	43507
890-3761-27	SW-48	Total/NA	Solid	8021B	43507
890-3761-28	SW-49	Total/NA	Solid	8021B	43507
890-3761-29	SW-50	Total/NA	Solid	8021B	43507
890-3761-30	SW-51	Total/NA	Solid	8021B	43507
890-3761-31	SW-52	Total/NA	Solid	8021B	43507
890-3761-32	SW-53	Total/NA	Solid	8021B	43507
890-3761-33	SW-54	Total/NA	Solid	8021B	43507
890-3761-34	SW-55	Total/NA	Solid	8021B	43507

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-35	SW-56	Total/NA	Solid	8021B	43507
890-3761-36	SW-57	Total/NA	Solid	8021B	43507
890-3761-37	SW-58	Total/NA	Solid	8021B	43507
890-3761-38	SW-59	Total/NA	Solid	8021B	43507
890-3761-39	SW-60	Total/NA	Solid	8021B	43507
890-3761-40	SW-61	Total/NA	Solid	8021B	43507
MB 880-43278/5-A	Method Blank	Total/NA	Solid	8021B	43278
MB 880-43507/5-A	Method Blank	Total/NA	Solid	8021B	43507
LCS 880-43507/1-A	Lab Control Sample	Total/NA	Solid	8021B	43507
LCSD 880-43507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43507
890-3761-21 MS	BH-84 (6')	Total/NA	Solid	8021B	43507
890-3761-21 MSD	BH-84 (6')	Total/NA	Solid	8021B	43507

Prep Batch: 43506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	5035	
890-3761-2	BH-65 (4')	Total/NA	Solid	5035	
890-3761-3	BH-66 (4')	Total/NA	Solid	5035	
890-3761-4	BH-67 (4')	Total/NA	Solid	5035	
890-3761-5	BH-68 (4')	Total/NA	Solid	5035	
890-3761-6	BH-69 (4')	Total/NA	Solid	5035	
890-3761-7	BH-70 (6')	Total/NA	Solid	5035	
890-3761-8	BH-71 (6')	Total/NA	Solid	5035	
890-3761-9	BH-72 (6')	Total/NA	Solid	5035	
890-3761-10	BH-73 (6')	Total/NA	Solid	5035	
890-3761-11	BH-74 (7')	Total/NA	Solid	5035	
890-3761-12	BH-75 (7')	Total/NA	Solid	5035	
890-3761-13	BH-76 (3')	Total/NA	Solid	5035	
890-3761-14	BH-77 (7')	Total/NA	Solid	5035	
890-3761-15	BH-78 (7')	Total/NA	Solid	5035	
890-3761-16	BH-79 (6')	Total/NA	Solid	5035	
890-3761-17	BH-80 (6')	Total/NA	Solid	5035	
890-3761-18	BH-81 (6')	Total/NA	Solid	5035	
890-3761-19	BH-82 (6')	Total/NA	Solid	5035	
890-3761-20	BH-83 (6')	Total/NA	Solid	5035	
MB 880-43506/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43506/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43506/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3761-1 MS	BH-64 (6')	Total/NA	Solid	5035	
890-3761-1 MSD	BH-64 (6')	Total/NA	Solid	5035	

Prep Batch: 43507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Total/NA	Solid	5035	
890-3761-22	SW-43	Total/NA	Solid	5035	
890-3761-23	SW-44	Total/NA	Solid	5035	
890-3761-24	SW-45	Total/NA	Solid	5035	
890-3761-25	SW-46	Total/NA	Solid	5035	
890-3761-26	SW-47	Total/NA	Solid	5035	
890-3761-27	SW-48	Total/NA	Solid	5035	
890-3761-28	SW-49	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 43507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-29	SW-50	Total/NA	Solid	5035	
890-3761-30	SW-51	Total/NA	Solid	5035	
890-3761-31	SW-52	Total/NA	Solid	5035	
890-3761-32	SW-53	Total/NA	Solid	5035	
890-3761-33	SW-54	Total/NA	Solid	5035	
890-3761-34	SW-55	Total/NA	Solid	5035	
890-3761-35	SW-56	Total/NA	Solid	5035	
890-3761-36	SW-57	Total/NA	Solid	5035	
890-3761-37	SW-58	Total/NA	Solid	5035	
890-3761-38	SW-59	Total/NA	Solid	5035	
890-3761-39	SW-60	Total/NA	Solid	5035	
890-3761-40	SW-61	Total/NA	Solid	5035	
MB 880-43507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3761-21 MS	BH-84 (6')	Total/NA	Solid	5035	
890-3761-21 MSD	BH-84 (6')	Total/NA	Solid	5035	

Prep Batch: 43508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Total/NA	Solid	5035	
890-3761-42	BH-7 (6')	Total/NA	Solid	5035	
890-3761-43	BH-8 (4')	Total/NA	Solid	5035	
890-3761-44	BH-9 (6')	Total/NA	Solid	5035	
890-3761-45	BH-10 (6')	Total/NA	Solid	5035	
890-3761-46	BH-11 (4')	Total/NA	Solid	5035	
890-3761-47	BH-12 (4')	Total/NA	Solid	5035	
890-3761-48	BH-13 (4')	Total/NA	Solid	5035	
890-3761-49	BH-15 (4')	Total/NA	Solid	5035	
890-3761-50	BH-17 (4')	Total/NA	Solid	5035	
890-3761-51	BH-18 (4')	Total/NA	Solid	5035	
890-3761-52	BH-19 (4')	Total/NA	Solid	5035	
890-3761-53	BH-20 (4')	Total/NA	Solid	5035	
890-3761-54	BH-21 (4')	Total/NA	Solid	5035	
890-3761-55	BH-22 (4')	Total/NA	Solid	5035	
890-3761-56	BH-23 (4')	Total/NA	Solid	5035	
890-3761-57	BH-24 (4')	Total/NA	Solid	5035	
890-3761-58	BH-25 (4')	Total/NA	Solid	5035	
890-3761-59	BH-26 (4')	Total/NA	Solid	5035	
890-3761-60	BH-27 (4')	Total/NA	Solid	5035	
MB 880-43508/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43508/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43508/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3761-41 MS	BH-6 (4')	Total/NA	Solid	5035	
890-3761-41 MSD	BH-6 (4')	Total/NA	Solid	5035	

Prep Batch: 43509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Total/NA	Solid	5035	
890-3761-62	BH-29 (4')	Total/NA	Solid	5035	
890-3761-63	BH-31 (7.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 43509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-64	BH-42 (4.5')	Total/NA	Solid	5035	
890-3761-65	BH-43 (4.5')	Total/NA	Solid	5035	
890-3761-66	BH-44 (4.5')	Total/NA	Solid	5035	
890-3761-67	BH-49 (6')	Total/NA	Solid	5035	
890-3761-68	BH-50 (4')	Total/NA	Solid	5035	
890-3761-69	BH-51 (6')	Total/NA	Solid	5035	
890-3761-70	BH-53 (4')	Total/NA	Solid	5035	
890-3761-71	BH-54 (6')	Total/NA	Solid	5035	
890-3761-72	BH-55 (5')	Total/NA	Solid	5035	
890-3761-73	BH-56 (3')	Total/NA	Solid	5035	
890-3761-74	BH-58 (3')	Total/NA	Solid	5035	
890-3761-75	BH-14 (4')	Total/NA	Solid	5035	
MB 880-43509/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43509/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43509/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3761-61 MS	BH-28 (6')	Total/NA	Solid	5035	
890-3761-61 MSD	BH-28 (6')	Total/NA	Solid	5035	

Prep Batch: 43510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Total/NA	Solid	5035	
890-3761-82	SW-22	Total/NA	Solid	5035	
890-3761-83	SW-23	Total/NA	Solid	5035	
890-3761-84	SW-24	Total/NA	Solid	5035	
890-3761-85	SW-26	Total/NA	Solid	5035	
890-3761-86	SW-27	Total/NA	Solid	5035	
890-3761-87	SW-32	Total/NA	Solid	5035	
890-3761-88	SW-33	Total/NA	Solid	5035	
890-3761-89	SW-37	Total/NA	Solid	5035	
890-3761-90	SW-38	Total/NA	Solid	5035	
890-3761-91	SW-39	Total/NA	Solid	5035	
890-3761-92	SW-40	Total/NA	Solid	5035	
890-3761-93	SW-42	Total/NA	Solid	5035	
MB 880-43510/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43510/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43510/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3761-81 MS	SW-21	Total/NA	Solid	5035	
890-3761-81 MSD	SW-21	Total/NA	Solid	5035	

Prep Batch: 43543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43543/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 43598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Total/NA	Solid	8021B	43508
890-3761-42	BH-7 (6')	Total/NA	Solid	8021B	43508
890-3761-43	BH-8 (4')	Total/NA	Solid	8021B	43508
890-3761-44	BH-9 (6')	Total/NA	Solid	8021B	43508
890-3761-45	BH-10 (6')	Total/NA	Solid	8021B	43508
890-3761-46	BH-11 (4')	Total/NA	Solid	8021B	43508

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43598 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-47	BH-12 (4')	Total/NA	Solid	8021B	43508
890-3761-48	BH-13 (4')	Total/NA	Solid	8021B	43508
890-3761-49	BH-15 (4')	Total/NA	Solid	8021B	43508
890-3761-50	BH-17 (4')	Total/NA	Solid	8021B	43508
890-3761-51	BH-18 (4')	Total/NA	Solid	8021B	43508
890-3761-52	BH-19 (4')	Total/NA	Solid	8021B	43508
890-3761-53	BH-20 (4')	Total/NA	Solid	8021B	43508
890-3761-54	BH-21 (4')	Total/NA	Solid	8021B	43508
890-3761-55	BH-22 (4')	Total/NA	Solid	8021B	43508
890-3761-56	BH-23 (4')	Total/NA	Solid	8021B	43508
890-3761-57	BH-24 (4')	Total/NA	Solid	8021B	43508
890-3761-58	BH-25 (4')	Total/NA	Solid	8021B	43508
890-3761-59	BH-26 (4')	Total/NA	Solid	8021B	43508
890-3761-60	BH-27 (4')	Total/NA	Solid	8021B	43508
MB 880-43508/5-A	Method Blank	Total/NA	Solid	8021B	43508
LCS 880-43508/1-A	Lab Control Sample	Total/NA	Solid	8021B	43508
LCSD 880-43508/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43508
890-3761-41 MS	BH-6 (4')	Total/NA	Solid	8021B	43508
890-3761-41 MSD	BH-6 (4')	Total/NA	Solid	8021B	43508

Analysis Batch: 43646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Total/NA	Solid	8021B	43510
890-3761-82	SW-22	Total/NA	Solid	8021B	43510
890-3761-83	SW-23	Total/NA	Solid	8021B	43510
890-3761-84	SW-24	Total/NA	Solid	8021B	43510
890-3761-85	SW-26	Total/NA	Solid	8021B	43510
890-3761-86	SW-27	Total/NA	Solid	8021B	43510
890-3761-87	SW-32	Total/NA	Solid	8021B	43510
890-3761-88	SW-33	Total/NA	Solid	8021B	43510
890-3761-89	SW-37	Total/NA	Solid	8021B	43510
890-3761-90	SW-38	Total/NA	Solid	8021B	43510
890-3761-91	SW-39	Total/NA	Solid	8021B	43510
890-3761-92	SW-40	Total/NA	Solid	8021B	43510
890-3761-93	SW-42	Total/NA	Solid	8021B	43510
MB 880-43510/5-A	Method Blank	Total/NA	Solid	8021B	43510
LCS 880-43510/1-A	Lab Control Sample	Total/NA	Solid	8021B	43510
LCSD 880-43510/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43510
890-3761-81 MS	SW-21	Total/NA	Solid	8021B	43510
890-3761-81 MSD	SW-21	Total/NA	Solid	8021B	43510

Analysis Batch: 43662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	Total BTEX	
890-3761-2	BH-65 (4')	Total/NA	Solid	Total BTEX	
890-3761-3	BH-66 (4')	Total/NA	Solid	Total BTEX	
890-3761-4	BH-67 (4')	Total/NA	Solid	Total BTEX	
890-3761-5	BH-68 (4')	Total/NA	Solid	Total BTEX	
890-3761-6	BH-69 (4')	Total/NA	Solid	Total BTEX	
890-3761-7	BH-70 (6')	Total/NA	Solid	Total BTEX	
890-3761-8	BH-71 (6')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-9	BH-72 (6')	Total/NA	Solid	Total BTEX	
890-3761-10	BH-73 (6')	Total/NA	Solid	Total BTEX	
890-3761-11	BH-74 (7')	Total/NA	Solid	Total BTEX	
890-3761-12	BH-75 (7')	Total/NA	Solid	Total BTEX	
890-3761-13	BH-76 (3')	Total/NA	Solid	Total BTEX	
890-3761-14	BH-77 (7')	Total/NA	Solid	Total BTEX	
890-3761-15	BH-78 (7')	Total/NA	Solid	Total BTEX	
890-3761-16	BH-79 (6')	Total/NA	Solid	Total BTEX	
890-3761-17	BH-80 (6')	Total/NA	Solid	Total BTEX	
890-3761-18	BH-81 (6')	Total/NA	Solid	Total BTEX	
890-3761-19	BH-82 (6')	Total/NA	Solid	Total BTEX	
890-3761-20	BH-83 (6')	Total/NA	Solid	Total BTEX	
890-3761-21	BH-84 (6')	Total/NA	Solid	Total BTEX	
890-3761-22	SW-43	Total/NA	Solid	Total BTEX	
890-3761-23	SW-44	Total/NA	Solid	Total BTEX	
890-3761-24	SW-45	Total/NA	Solid	Total BTEX	
890-3761-25	SW-46	Total/NA	Solid	Total BTEX	
890-3761-26	SW-47	Total/NA	Solid	Total BTEX	
890-3761-27	SW-48	Total/NA	Solid	Total BTEX	
890-3761-28	SW-49	Total/NA	Solid	Total BTEX	
890-3761-29	SW-50	Total/NA	Solid	Total BTEX	
890-3761-30	SW-51	Total/NA	Solid	Total BTEX	
890-3761-31	SW-52	Total/NA	Solid	Total BTEX	
890-3761-32	SW-53	Total/NA	Solid	Total BTEX	
890-3761-33	SW-54	Total/NA	Solid	Total BTEX	
890-3761-34	SW-55	Total/NA	Solid	Total BTEX	
890-3761-35	SW-56	Total/NA	Solid	Total BTEX	
890-3761-36	SW-57	Total/NA	Solid	Total BTEX	
890-3761-37	SW-58	Total/NA	Solid	Total BTEX	
890-3761-38	SW-59	Total/NA	Solid	Total BTEX	
890-3761-39	SW-60	Total/NA	Solid	Total BTEX	
890-3761-40	SW-61	Total/NA	Solid	Total BTEX	
890-3761-41	BH-6 (4')	Total/NA	Solid	Total BTEX	
890-3761-42	BH-7 (6')	Total/NA	Solid	Total BTEX	
890-3761-43	BH-8 (4')	Total/NA	Solid	Total BTEX	
890-3761-44	BH-9 (6')	Total/NA	Solid	Total BTEX	
890-3761-45	BH-10 (6')	Total/NA	Solid	Total BTEX	
890-3761-46	BH-11 (4')	Total/NA	Solid	Total BTEX	
890-3761-47	BH-12 (4')	Total/NA	Solid	Total BTEX	
890-3761-48	BH-13 (4')	Total/NA	Solid	Total BTEX	
890-3761-49	BH-15 (4')	Total/NA	Solid	Total BTEX	
890-3761-50	BH-17 (4')	Total/NA	Solid	Total BTEX	
890-3761-51	BH-18 (4')	Total/NA	Solid	Total BTEX	
890-3761-52	BH-19 (4')	Total/NA	Solid	Total BTEX	
890-3761-53	BH-20 (4')	Total/NA	Solid	Total BTEX	
890-3761-54	BH-21 (4')	Total/NA	Solid	Total BTEX	
890-3761-55	BH-22 (4')	Total/NA	Solid	Total BTEX	
890-3761-56	BH-23 (4')	Total/NA	Solid	Total BTEX	
890-3761-57	BH-24 (4')	Total/NA	Solid	Total BTEX	
890-3761-58	BH-25 (4')	Total/NA	Solid	Total BTEX	
890-3761-59	BH-26 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-60	BH-27 (4')	Total/NA	Solid	Total BTEX	
890-3761-61	BH-28 (6')	Total/NA	Solid	Total BTEX	
890-3761-62	BH-29 (4')	Total/NA	Solid	Total BTEX	
890-3761-63	BH-31 (7.5')	Total/NA	Solid	Total BTEX	
890-3761-64	BH-42 (4.5')	Total/NA	Solid	Total BTEX	
890-3761-65	BH-43 (4.5')	Total/NA	Solid	Total BTEX	
890-3761-66	BH-44 (4.5')	Total/NA	Solid	Total BTEX	
890-3761-67	BH-49 (6')	Total/NA	Solid	Total BTEX	
890-3761-68	BH-50 (4')	Total/NA	Solid	Total BTEX	
890-3761-69	BH-51 (6')	Total/NA	Solid	Total BTEX	
890-3761-70	BH-53 (4')	Total/NA	Solid	Total BTEX	
890-3761-71	BH-54 (6')	Total/NA	Solid	Total BTEX	
890-3761-72	BH-55 (5')	Total/NA	Solid	Total BTEX	
890-3761-73	BH-56 (3')	Total/NA	Solid	Total BTEX	
890-3761-74	BH-58 (3')	Total/NA	Solid	Total BTEX	
890-3761-75	BH-14 (4')	Total/NA	Solid	Total BTEX	
890-3761-76	SW-5	Total/NA	Solid	Total BTEX	
890-3761-77	SW-6	Total/NA	Solid	Total BTEX	
890-3761-78	SW-7	Total/NA	Solid	Total BTEX	
890-3761-79	SW-15	Total/NA	Solid	Total BTEX	
890-3761-80	SW-17	Total/NA	Solid	Total BTEX	
890-3761-81	SW-21	Total/NA	Solid	Total BTEX	
890-3761-82	SW-22	Total/NA	Solid	Total BTEX	
890-3761-83	SW-23	Total/NA	Solid	Total BTEX	
890-3761-84	SW-24	Total/NA	Solid	Total BTEX	
890-3761-85	SW-26	Total/NA	Solid	Total BTEX	
890-3761-86	SW-27	Total/NA	Solid	Total BTEX	
890-3761-87	SW-32	Total/NA	Solid	Total BTEX	
890-3761-88	SW-33	Total/NA	Solid	Total BTEX	
890-3761-89	SW-37	Total/NA	Solid	Total BTEX	
890-3761-90	SW-38	Total/NA	Solid	Total BTEX	
890-3761-91	SW-39	Total/NA	Solid	Total BTEX	
890-3761-92	SW-40	Total/NA	Solid	Total BTEX	
890-3761-93	SW-42	Total/NA	Solid	Total BTEX	

Analysis Batch: 43695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Total/NA	Solid	8021B	43509
890-3761-62	BH-29 (4')	Total/NA	Solid	8021B	43509
890-3761-63	BH-31 (7.5')	Total/NA	Solid	8021B	43509
890-3761-64	BH-42 (4.5')	Total/NA	Solid	8021B	43509
890-3761-65	BH-43 (4.5')	Total/NA	Solid	8021B	43509
890-3761-66	BH-44 (4.5')	Total/NA	Solid	8021B	43509
890-3761-67	BH-49 (6')	Total/NA	Solid	8021B	43509
890-3761-68	BH-50 (4')	Total/NA	Solid	8021B	43509
890-3761-69	BH-51 (6')	Total/NA	Solid	8021B	43509
890-3761-70	BH-53 (4')	Total/NA	Solid	8021B	43509
890-3761-71	BH-54 (6')	Total/NA	Solid	8021B	43509
890-3761-72	BH-55 (5')	Total/NA	Solid	8021B	43509
890-3761-73	BH-56 (3')	Total/NA	Solid	8021B	43509
890-3761-74	BH-58 (3')	Total/NA	Solid	8021B	43509

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43695 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-75	BH-14 (4')	Total/NA	Solid	8021B	43509
MB 880-43509/5-A	Method Blank	Total/NA	Solid	8021B	43509
MB 880-43695/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-43509/1-A	Lab Control Sample	Total/NA	Solid	8021B	43509
LCSD 880-43509/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43509
890-3761-61 MS	BH-28 (6')	Total/NA	Solid	8021B	43509
890-3761-61 MSD	BH-28 (6')	Total/NA	Solid	8021B	43509

Analysis Batch: 43790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-76	SW-5	Total/NA	Solid	8021B	43798
890-3761-77	SW-6	Total/NA	Solid	8021B	43798
890-3761-78	SW-7	Total/NA	Solid	8021B	43798
890-3761-79	SW-15	Total/NA	Solid	8021B	43798
890-3761-80	SW-17	Total/NA	Solid	8021B	43798
MB 880-43543/5-A	Method Blank	Total/NA	Solid	8021B	43543
MB 880-43798/5-A	Method Blank	Total/NA	Solid	8021B	43798
LCS 880-43798/1-A	Lab Control Sample	Total/NA	Solid	8021B	43798
LCSD 880-43798/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43798
880-23427-A-60-D MS	Matrix Spike	Total/NA	Solid	8021B	43798
880-23427-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43798

Prep Batch: 43798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-76	SW-5	Total/NA	Solid	5035	
890-3761-77	SW-6	Total/NA	Solid	5035	
890-3761-78	SW-7	Total/NA	Solid	5035	
890-3761-79	SW-15	Total/NA	Solid	5035	
890-3761-80	SW-17	Total/NA	Solid	5035	
MB 880-43798/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43798/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23427-A-60-D MS	Matrix Spike	Total/NA	Solid	5035	
880-23427-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 43315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	8015B NM	43401
890-3761-2	BH-65 (4')	Total/NA	Solid	8015B NM	43401
890-3761-3	BH-66 (4')	Total/NA	Solid	8015B NM	43401
890-3761-4	BH-67 (4')	Total/NA	Solid	8015B NM	43401
890-3761-5	BH-68 (4')	Total/NA	Solid	8015B NM	43401
890-3761-6	BH-69 (4')	Total/NA	Solid	8015B NM	43401
890-3761-7	BH-70 (6')	Total/NA	Solid	8015B NM	43401
890-3761-8	BH-71 (6')	Total/NA	Solid	8015B NM	43401
890-3761-9	BH-72 (6')	Total/NA	Solid	8015B NM	43401
890-3761-10	BH-73 (6')	Total/NA	Solid	8015B NM	43401
890-3761-11	BH-74 (7')	Total/NA	Solid	8015B NM	43401
890-3761-12	BH-75 (7')	Total/NA	Solid	8015B NM	43401

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-13	BH-76 (3')	Total/NA	Solid	8015B NM	43401
890-3761-14	BH-77 (7')	Total/NA	Solid	8015B NM	43401
890-3761-15	BH-78 (7')	Total/NA	Solid	8015B NM	43401
890-3761-16	BH-79 (6')	Total/NA	Solid	8015B NM	43401
890-3761-17	BH-80 (6')	Total/NA	Solid	8015B NM	43401
890-3761-18	BH-81 (6')	Total/NA	Solid	8015B NM	43401
890-3761-19	BH-82 (6')	Total/NA	Solid	8015B NM	43401
890-3761-20	BH-83 (6')	Total/NA	Solid	8015B NM	43401
MB 880-43401/1-A	Method Blank	Total/NA	Solid	8015B NM	43401
LCS 880-43401/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43401
LCSD 880-43401/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43401
890-3761-20 MS	BH-83 (6')	Total/NA	Solid	8015B NM	43401
890-3761-20 MSD	BH-83 (6')	Total/NA	Solid	8015B NM	43401

Analysis Batch: 43317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Total/NA	Solid	8015B NM	43402
890-3761-22	SW-43	Total/NA	Solid	8015B NM	43402
890-3761-23	SW-44	Total/NA	Solid	8015B NM	43402
890-3761-24	SW-45	Total/NA	Solid	8015B NM	43402
890-3761-25	SW-46	Total/NA	Solid	8015B NM	43402
890-3761-26	SW-47	Total/NA	Solid	8015B NM	43402
890-3761-27	SW-48	Total/NA	Solid	8015B NM	43402
890-3761-28	SW-49	Total/NA	Solid	8015B NM	43402
890-3761-29	SW-50	Total/NA	Solid	8015B NM	43402
890-3761-30	SW-51	Total/NA	Solid	8015B NM	43402
890-3761-31	SW-52	Total/NA	Solid	8015B NM	43402
890-3761-32	SW-53	Total/NA	Solid	8015B NM	43402
890-3761-33	SW-54	Total/NA	Solid	8015B NM	43402
890-3761-34	SW-55	Total/NA	Solid	8015B NM	43402
890-3761-35	SW-56	Total/NA	Solid	8015B NM	43402
890-3761-36	SW-57	Total/NA	Solid	8015B NM	43402
890-3761-37	SW-58	Total/NA	Solid	8015B NM	43402
890-3761-38	SW-59	Total/NA	Solid	8015B NM	43402
890-3761-39	SW-60	Total/NA	Solid	8015B NM	43402
890-3761-40	SW-61	Total/NA	Solid	8015B NM	43402
MB 880-43402/1-A	Method Blank	Total/NA	Solid	8015B NM	43402
LCS 880-43402/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43402
LCSD 880-43402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43402
890-3761-35 MS	SW-56	Total/NA	Solid	8015B NM	43402
890-3761-35 MSD	SW-56	Total/NA	Solid	8015B NM	43402

Prep Batch: 43401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	8015NM Prep	
890-3761-2	BH-65 (4')	Total/NA	Solid	8015NM Prep	
890-3761-3	BH-66 (4')	Total/NA	Solid	8015NM Prep	
890-3761-4	BH-67 (4')	Total/NA	Solid	8015NM Prep	
890-3761-5	BH-68 (4')	Total/NA	Solid	8015NM Prep	
890-3761-6	BH-69 (4')	Total/NA	Solid	8015NM Prep	
890-3761-7	BH-70 (6')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 43401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-8	BH-71 (6')	Total/NA	Solid	8015NM Prep	
890-3761-9	BH-72 (6')	Total/NA	Solid	8015NM Prep	
890-3761-10	BH-73 (6')	Total/NA	Solid	8015NM Prep	
890-3761-11	BH-74 (7')	Total/NA	Solid	8015NM Prep	
890-3761-12	BH-75 (7')	Total/NA	Solid	8015NM Prep	
890-3761-13	BH-76 (3')	Total/NA	Solid	8015NM Prep	
890-3761-14	BH-77 (7')	Total/NA	Solid	8015NM Prep	
890-3761-15	BH-78 (7')	Total/NA	Solid	8015NM Prep	
890-3761-16	BH-79 (6')	Total/NA	Solid	8015NM Prep	
890-3761-17	BH-80 (6')	Total/NA	Solid	8015NM Prep	
890-3761-18	BH-81 (6')	Total/NA	Solid	8015NM Prep	
890-3761-19	BH-82 (6')	Total/NA	Solid	8015NM Prep	
890-3761-20	BH-83 (6')	Total/NA	Solid	8015NM Prep	
MB 880-43401/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43401/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43401/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3761-20 MS	BH-83 (6')	Total/NA	Solid	8015NM Prep	
890-3761-20 MSD	BH-83 (6')	Total/NA	Solid	8015NM Prep	

Prep Batch: 43402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Total/NA	Solid	8015NM Prep	
890-3761-22	SW-43	Total/NA	Solid	8015NM Prep	
890-3761-23	SW-44	Total/NA	Solid	8015NM Prep	
890-3761-24	SW-45	Total/NA	Solid	8015NM Prep	
890-3761-25	SW-46	Total/NA	Solid	8015NM Prep	
890-3761-26	SW-47	Total/NA	Solid	8015NM Prep	
890-3761-27	SW-48	Total/NA	Solid	8015NM Prep	
890-3761-28	SW-49	Total/NA	Solid	8015NM Prep	
890-3761-29	SW-50	Total/NA	Solid	8015NM Prep	
890-3761-30	SW-51	Total/NA	Solid	8015NM Prep	
890-3761-31	SW-52	Total/NA	Solid	8015NM Prep	
890-3761-32	SW-53	Total/NA	Solid	8015NM Prep	
890-3761-33	SW-54	Total/NA	Solid	8015NM Prep	
890-3761-34	SW-55	Total/NA	Solid	8015NM Prep	
890-3761-35	SW-56	Total/NA	Solid	8015NM Prep	
890-3761-36	SW-57	Total/NA	Solid	8015NM Prep	
890-3761-37	SW-58	Total/NA	Solid	8015NM Prep	
890-3761-38	SW-59	Total/NA	Solid	8015NM Prep	
890-3761-39	SW-60	Total/NA	Solid	8015NM Prep	
890-3761-40	SW-61	Total/NA	Solid	8015NM Prep	
MB 880-43402/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43402/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3761-35 MS	SW-56	Total/NA	Solid	8015NM Prep	
890-3761-35 MSD	SW-56	Total/NA	Solid	8015NM Prep	

Prep Batch: 43403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Total/NA	Solid	8015NM Prep	
890-3761-42	BH-7 (6')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 43403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-43	BH-8 (4')	Total/NA	Solid	8015NM Prep	
890-3761-44	BH-9 (6')	Total/NA	Solid	8015NM Prep	
890-3761-45	BH-10 (6')	Total/NA	Solid	8015NM Prep	
890-3761-46	BH-11 (4')	Total/NA	Solid	8015NM Prep	
890-3761-47	BH-12 (4')	Total/NA	Solid	8015NM Prep	
890-3761-48	BH-13 (4')	Total/NA	Solid	8015NM Prep	
890-3761-49	BH-15 (4')	Total/NA	Solid	8015NM Prep	
890-3761-50	BH-17 (4')	Total/NA	Solid	8015NM Prep	
890-3761-51	BH-18 (4')	Total/NA	Solid	8015NM Prep	
890-3761-52	BH-19 (4')	Total/NA	Solid	8015NM Prep	
890-3761-53	BH-20 (4')	Total/NA	Solid	8015NM Prep	
890-3761-54	BH-21 (4')	Total/NA	Solid	8015NM Prep	
890-3761-55	BH-22 (4')	Total/NA	Solid	8015NM Prep	
890-3761-56	BH-23 (4')	Total/NA	Solid	8015NM Prep	
890-3761-57	BH-24 (4')	Total/NA	Solid	8015NM Prep	
890-3761-58	BH-25 (4')	Total/NA	Solid	8015NM Prep	
890-3761-59	BH-26 (4')	Total/NA	Solid	8015NM Prep	
890-3761-60	BH-27 (4')	Total/NA	Solid	8015NM Prep	
MB 880-43403/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43403/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3761-41 MS	BH-6 (4')	Total/NA	Solid	8015NM Prep	
890-3761-41 MSD	BH-6 (4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 43405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Total/NA	Solid	8015NM Prep	
890-3761-62	BH-29 (4')	Total/NA	Solid	8015NM Prep	
890-3761-63	BH-31 (7.5')	Total/NA	Solid	8015NM Prep	
890-3761-64	BH-42 (4.5')	Total/NA	Solid	8015NM Prep	
890-3761-65	BH-43 (4.5')	Total/NA	Solid	8015NM Prep	
890-3761-66	BH-44 (4.5')	Total/NA	Solid	8015NM Prep	
890-3761-67	BH-49 (6')	Total/NA	Solid	8015NM Prep	
890-3761-68	BH-50 (4')	Total/NA	Solid	8015NM Prep	
890-3761-69	BH-51 (6')	Total/NA	Solid	8015NM Prep	
890-3761-70	BH-53 (4')	Total/NA	Solid	8015NM Prep	
890-3761-71	BH-54 (6')	Total/NA	Solid	8015NM Prep	
890-3761-72	BH-55 (5')	Total/NA	Solid	8015NM Prep	
890-3761-73	BH-56 (3')	Total/NA	Solid	8015NM Prep	
890-3761-74	BH-58 (3')	Total/NA	Solid	8015NM Prep	
890-3761-75	BH-14 (4')	Total/NA	Solid	8015NM Prep	
890-3761-76	SW-5	Total/NA	Solid	8015NM Prep	
890-3761-77	SW-6	Total/NA	Solid	8015NM Prep	
890-3761-78	SW-7	Total/NA	Solid	8015NM Prep	
890-3761-79	SW-15	Total/NA	Solid	8015NM Prep	
890-3761-80	SW-17	Total/NA	Solid	8015NM Prep	
MB 880-43405/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43405/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3761-61 MS	BH-28 (6')	Total/NA	Solid	8015NM Prep	
890-3761-61 MSD	BH-28 (6')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 43417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Total/NA	Solid	8015NM Prep	
890-3761-82	SW-22	Total/NA	Solid	8015NM Prep	
890-3761-83	SW-23	Total/NA	Solid	8015NM Prep	
890-3761-84	SW-24	Total/NA	Solid	8015NM Prep	
890-3761-85	SW-26	Total/NA	Solid	8015NM Prep	
890-3761-86	SW-27	Total/NA	Solid	8015NM Prep	
890-3761-87	SW-32	Total/NA	Solid	8015NM Prep	
890-3761-88	SW-33	Total/NA	Solid	8015NM Prep	
890-3761-89	SW-37	Total/NA	Solid	8015NM Prep	
890-3761-90	SW-38	Total/NA	Solid	8015NM Prep	
890-3761-91	SW-39	Total/NA	Solid	8015NM Prep	
890-3761-92	SW-40	Total/NA	Solid	8015NM Prep	
890-3761-93	SW-42	Total/NA	Solid	8015NM Prep	
MB 880-43417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3761-81 MS	SW-21	Total/NA	Solid	8015NM Prep	
890-3761-81 MSD	SW-21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Total/NA	Solid	8015B NM	43405
890-3761-62	BH-29 (4')	Total/NA	Solid	8015B NM	43405
890-3761-63	BH-31 (7.5')	Total/NA	Solid	8015B NM	43405
890-3761-64	BH-42 (4.5')	Total/NA	Solid	8015B NM	43405
890-3761-65	BH-43 (4.5')	Total/NA	Solid	8015B NM	43405
890-3761-66	BH-44 (4.5')	Total/NA	Solid	8015B NM	43405
890-3761-67	BH-49 (6')	Total/NA	Solid	8015B NM	43405
890-3761-68	BH-50 (4')	Total/NA	Solid	8015B NM	43405
890-3761-69	BH-51 (6')	Total/NA	Solid	8015B NM	43405
890-3761-70	BH-53 (4')	Total/NA	Solid	8015B NM	43405
890-3761-71	BH-54 (6')	Total/NA	Solid	8015B NM	43405
890-3761-72	BH-55 (5')	Total/NA	Solid	8015B NM	43405
890-3761-73	BH-56 (3')	Total/NA	Solid	8015B NM	43405
890-3761-74	BH-58 (3')	Total/NA	Solid	8015B NM	43405
890-3761-75	BH-14 (4')	Total/NA	Solid	8015B NM	43405
890-3761-76	SW-5	Total/NA	Solid	8015B NM	43405
890-3761-77	SW-6	Total/NA	Solid	8015B NM	43405
890-3761-78	SW-7	Total/NA	Solid	8015B NM	43405
890-3761-79	SW-15	Total/NA	Solid	8015B NM	43405
890-3761-80	SW-17	Total/NA	Solid	8015B NM	43405
MB 880-43405/1-A	Method Blank	Total/NA	Solid	8015B NM	43405
LCS 880-43405/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43405
LCSD 880-43405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43405
890-3761-61 MS	BH-28 (6')	Total/NA	Solid	8015B NM	43405
890-3761-61 MSD	BH-28 (6')	Total/NA	Solid	8015B NM	43405

Analysis Batch: 43454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Total/NA	Solid	8015B NM	43403
890-3761-42	BH-7 (6')	Total/NA	Solid	8015B NM	43403

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-43	BH-8 (4')	Total/NA	Solid	8015B NM	43403
890-3761-44	BH-9 (6')	Total/NA	Solid	8015B NM	43403
890-3761-45	BH-10 (6')	Total/NA	Solid	8015B NM	43403
890-3761-46	BH-11 (4')	Total/NA	Solid	8015B NM	43403
890-3761-47	BH-12 (4')	Total/NA	Solid	8015B NM	43403
890-3761-48	BH-13 (4')	Total/NA	Solid	8015B NM	43403
890-3761-49	BH-15 (4')	Total/NA	Solid	8015B NM	43403
890-3761-50	BH-17 (4')	Total/NA	Solid	8015B NM	43403
890-3761-51	BH-18 (4')	Total/NA	Solid	8015B NM	43403
890-3761-52	BH-19 (4')	Total/NA	Solid	8015B NM	43403
890-3761-53	BH-20 (4')	Total/NA	Solid	8015B NM	43403
890-3761-54	BH-21 (4')	Total/NA	Solid	8015B NM	43403
890-3761-55	BH-22 (4')	Total/NA	Solid	8015B NM	43403
890-3761-56	BH-23 (4')	Total/NA	Solid	8015B NM	43403
890-3761-57	BH-24 (4')	Total/NA	Solid	8015B NM	43403
890-3761-58	BH-25 (4')	Total/NA	Solid	8015B NM	43403
890-3761-59	BH-26 (4')	Total/NA	Solid	8015B NM	43403
890-3761-60	BH-27 (4')	Total/NA	Solid	8015B NM	43403
MB 880-43403/1-A	Method Blank	Total/NA	Solid	8015B NM	43403
LCS 880-43403/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43403
LCSD 880-43403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43403
890-3761-41 MS	BH-6 (4')	Total/NA	Solid	8015B NM	43403
890-3761-41 MSD	BH-6 (4')	Total/NA	Solid	8015B NM	43403

Analysis Batch: 43458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Total/NA	Solid	8015B NM	43417
890-3761-82	SW-22	Total/NA	Solid	8015B NM	43417
890-3761-83	SW-23	Total/NA	Solid	8015B NM	43417
890-3761-84	SW-24	Total/NA	Solid	8015B NM	43417
890-3761-85	SW-26	Total/NA	Solid	8015B NM	43417
890-3761-86	SW-27	Total/NA	Solid	8015B NM	43417
890-3761-87	SW-32	Total/NA	Solid	8015B NM	43417
890-3761-88	SW-33	Total/NA	Solid	8015B NM	43417
890-3761-89	SW-37	Total/NA	Solid	8015B NM	43417
890-3761-90	SW-38	Total/NA	Solid	8015B NM	43417
890-3761-91	SW-39	Total/NA	Solid	8015B NM	43417
890-3761-92	SW-40	Total/NA	Solid	8015B NM	43417
890-3761-93	SW-42	Total/NA	Solid	8015B NM	43417
MB 880-43417/1-A	Method Blank	Total/NA	Solid	8015B NM	43417
LCS 880-43417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43417
LCSD 880-43417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43417
890-3761-81 MS	SW-21	Total/NA	Solid	8015B NM	43417
890-3761-81 MSD	SW-21	Total/NA	Solid	8015B NM	43417

Analysis Batch: 43523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Total/NA	Solid	8015 NM	
890-3761-2	BH-65 (4')	Total/NA	Solid	8015 NM	
890-3761-3	BH-66 (4')	Total/NA	Solid	8015 NM	
890-3761-4	BH-67 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-5	BH-68 (4')	Total/NA	Solid	8015 NM	
890-3761-6	BH-69 (4')	Total/NA	Solid	8015 NM	
890-3761-7	BH-70 (6')	Total/NA	Solid	8015 NM	
890-3761-8	BH-71 (6')	Total/NA	Solid	8015 NM	
890-3761-9	BH-72 (6')	Total/NA	Solid	8015 NM	
890-3761-10	BH-73 (6')	Total/NA	Solid	8015 NM	
890-3761-11	BH-74 (7')	Total/NA	Solid	8015 NM	
890-3761-12	BH-75 (7')	Total/NA	Solid	8015 NM	
890-3761-13	BH-76 (3')	Total/NA	Solid	8015 NM	
890-3761-14	BH-77 (7')	Total/NA	Solid	8015 NM	
890-3761-15	BH-78 (7')	Total/NA	Solid	8015 NM	
890-3761-16	BH-79 (6')	Total/NA	Solid	8015 NM	
890-3761-17	BH-80 (6')	Total/NA	Solid	8015 NM	
890-3761-18	BH-81 (6')	Total/NA	Solid	8015 NM	
890-3761-19	BH-82 (6')	Total/NA	Solid	8015 NM	
890-3761-20	BH-83 (6')	Total/NA	Solid	8015 NM	
890-3761-21	BH-84 (6')	Total/NA	Solid	8015 NM	
890-3761-22	SW-43	Total/NA	Solid	8015 NM	
890-3761-23	SW-44	Total/NA	Solid	8015 NM	
890-3761-24	SW-45	Total/NA	Solid	8015 NM	
890-3761-25	SW-46	Total/NA	Solid	8015 NM	
890-3761-26	SW-47	Total/NA	Solid	8015 NM	
890-3761-27	SW-48	Total/NA	Solid	8015 NM	
890-3761-28	SW-49	Total/NA	Solid	8015 NM	
890-3761-29	SW-50	Total/NA	Solid	8015 NM	
890-3761-30	SW-51	Total/NA	Solid	8015 NM	
890-3761-31	SW-52	Total/NA	Solid	8015 NM	
890-3761-32	SW-53	Total/NA	Solid	8015 NM	
890-3761-33	SW-54	Total/NA	Solid	8015 NM	
890-3761-34	SW-55	Total/NA	Solid	8015 NM	
890-3761-35	SW-56	Total/NA	Solid	8015 NM	
890-3761-36	SW-57	Total/NA	Solid	8015 NM	
890-3761-37	SW-58	Total/NA	Solid	8015 NM	
890-3761-38	SW-59	Total/NA	Solid	8015 NM	
890-3761-39	SW-60	Total/NA	Solid	8015 NM	
890-3761-40	SW-61	Total/NA	Solid	8015 NM	
890-3761-41	BH-6 (4')	Total/NA	Solid	8015 NM	
890-3761-42	BH-7 (6')	Total/NA	Solid	8015 NM	
890-3761-43	BH-8 (4')	Total/NA	Solid	8015 NM	
890-3761-44	BH-9 (6')	Total/NA	Solid	8015 NM	
890-3761-45	BH-10 (6')	Total/NA	Solid	8015 NM	
890-3761-46	BH-11 (4')	Total/NA	Solid	8015 NM	
890-3761-47	BH-12 (4')	Total/NA	Solid	8015 NM	
890-3761-48	BH-13 (4')	Total/NA	Solid	8015 NM	
890-3761-49	BH-15 (4')	Total/NA	Solid	8015 NM	
890-3761-50	BH-17 (4')	Total/NA	Solid	8015 NM	
890-3761-51	BH-18 (4')	Total/NA	Solid	8015 NM	
890-3761-52	BH-19 (4')	Total/NA	Solid	8015 NM	
890-3761-53	BH-20 (4')	Total/NA	Solid	8015 NM	
890-3761-54	BH-21 (4')	Total/NA	Solid	8015 NM	
890-3761-55	BH-22 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-56	BH-23 (4')	Total/NA	Solid	8015 NM	
890-3761-57	BH-24 (4')	Total/NA	Solid	8015 NM	
890-3761-58	BH-25 (4')	Total/NA	Solid	8015 NM	
890-3761-59	BH-26 (4')	Total/NA	Solid	8015 NM	
890-3761-60	BH-27 (4')	Total/NA	Solid	8015 NM	
890-3761-61	BH-28 (6')	Total/NA	Solid	8015 NM	
890-3761-62	BH-29 (4')	Total/NA	Solid	8015 NM	
890-3761-63	BH-31 (7.5')	Total/NA	Solid	8015 NM	
890-3761-64	BH-42 (4.5')	Total/NA	Solid	8015 NM	
890-3761-65	BH-43 (4.5')	Total/NA	Solid	8015 NM	
890-3761-66	BH-44 (4.5')	Total/NA	Solid	8015 NM	
890-3761-67	BH-49 (6')	Total/NA	Solid	8015 NM	
890-3761-68	BH-50 (4')	Total/NA	Solid	8015 NM	
890-3761-69	BH-51 (6')	Total/NA	Solid	8015 NM	
890-3761-70	BH-53 (4')	Total/NA	Solid	8015 NM	
890-3761-71	BH-54 (6')	Total/NA	Solid	8015 NM	
890-3761-72	BH-55 (5')	Total/NA	Solid	8015 NM	
890-3761-73	BH-56 (3')	Total/NA	Solid	8015 NM	
890-3761-74	BH-58 (3')	Total/NA	Solid	8015 NM	
890-3761-75	BH-14 (4')	Total/NA	Solid	8015 NM	
890-3761-76	SW-5	Total/NA	Solid	8015 NM	
890-3761-77	SW-6	Total/NA	Solid	8015 NM	
890-3761-78	SW-7	Total/NA	Solid	8015 NM	
890-3761-79	SW-15	Total/NA	Solid	8015 NM	
890-3761-80	SW-17	Total/NA	Solid	8015 NM	
890-3761-81	SW-21	Total/NA	Solid	8015 NM	
890-3761-82	SW-22	Total/NA	Solid	8015 NM	
890-3761-83	SW-23	Total/NA	Solid	8015 NM	
890-3761-84	SW-24	Total/NA	Solid	8015 NM	
890-3761-85	SW-26	Total/NA	Solid	8015 NM	
890-3761-86	SW-27	Total/NA	Solid	8015 NM	
890-3761-87	SW-32	Total/NA	Solid	8015 NM	
890-3761-88	SW-33	Total/NA	Solid	8015 NM	
890-3761-89	SW-37	Total/NA	Solid	8015 NM	
890-3761-90	SW-38	Total/NA	Solid	8015 NM	
890-3761-91	SW-39	Total/NA	Solid	8015 NM	
890-3761-92	SW-40	Total/NA	Solid	8015 NM	
890-3761-93	SW-42	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Soluble	Solid	DI Leach	
890-3761-2	BH-65 (4')	Soluble	Solid	DI Leach	
890-3761-3	BH-66 (4')	Soluble	Solid	DI Leach	
890-3761-4	BH-67 (4')	Soluble	Solid	DI Leach	
890-3761-5	BH-68 (4')	Soluble	Solid	DI Leach	
890-3761-6	BH-69 (4')	Soluble	Solid	DI Leach	
890-3761-7	BH-70 (6')	Soluble	Solid	DI Leach	
890-3761-8	BH-71 (6')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 43407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-9	BH-72 (6')	Soluble	Solid	DI Leach	
890-3761-10	BH-73 (6')	Soluble	Solid	DI Leach	
890-3761-11	BH-74 (7')	Soluble	Solid	DI Leach	
890-3761-12	BH-75 (7')	Soluble	Solid	DI Leach	
890-3761-13	BH-76 (3')	Soluble	Solid	DI Leach	
890-3761-14	BH-77 (7')	Soluble	Solid	DI Leach	
890-3761-15	BH-78 (7')	Soluble	Solid	DI Leach	
890-3761-16	BH-79 (6')	Soluble	Solid	DI Leach	
890-3761-17	BH-80 (6')	Soluble	Solid	DI Leach	
890-3761-18	BH-81 (6')	Soluble	Solid	DI Leach	
890-3761-19	BH-82 (6')	Soluble	Solid	DI Leach	
890-3761-20	BH-83 (6')	Soluble	Solid	DI Leach	
MB 880-43407/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43407/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43407/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3761-1 MS	BH-64 (6')	Soluble	Solid	DI Leach	
890-3761-1 MSD	BH-64 (6')	Soluble	Solid	DI Leach	
890-3761-11 MS	BH-74 (7')	Soluble	Solid	DI Leach	
890-3761-11 MSD	BH-74 (7')	Soluble	Solid	DI Leach	

Leach Batch: 43408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Soluble	Solid	DI Leach	
890-3761-22	SW-43	Soluble	Solid	DI Leach	
890-3761-23	SW-44	Soluble	Solid	DI Leach	
890-3761-24	SW-45	Soluble	Solid	DI Leach	
890-3761-25	SW-46	Soluble	Solid	DI Leach	
890-3761-26	SW-47	Soluble	Solid	DI Leach	
890-3761-27	SW-48	Soluble	Solid	DI Leach	
890-3761-28	SW-49	Soluble	Solid	DI Leach	
890-3761-29	SW-50	Soluble	Solid	DI Leach	
890-3761-30	SW-51	Soluble	Solid	DI Leach	
890-3761-31	SW-52	Soluble	Solid	DI Leach	
890-3761-32	SW-53	Soluble	Solid	DI Leach	
890-3761-33	SW-54	Soluble	Solid	DI Leach	
890-3761-34	SW-55	Soluble	Solid	DI Leach	
890-3761-35	SW-56	Soluble	Solid	DI Leach	
890-3761-36	SW-57	Soluble	Solid	DI Leach	
890-3761-37	SW-58	Soluble	Solid	DI Leach	
890-3761-38	SW-59	Soluble	Solid	DI Leach	
890-3761-39	SW-60	Soluble	Solid	DI Leach	
890-3761-40	SW-61	Soluble	Solid	DI Leach	
MB 880-43408/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43408/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43408/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3761-21 MS	BH-84 (6')	Soluble	Solid	DI Leach	
890-3761-21 MSD	BH-84 (6')	Soluble	Solid	DI Leach	
890-3761-31 MS	SW-52	Soluble	Solid	DI Leach	
890-3761-31 MSD	SW-52	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 43409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Soluble	Solid	DI Leach	
890-3761-42	BH-7 (6')	Soluble	Solid	DI Leach	
890-3761-43	BH-8 (4')	Soluble	Solid	DI Leach	
890-3761-44	BH-9 (6')	Soluble	Solid	DI Leach	
890-3761-45	BH-10 (6')	Soluble	Solid	DI Leach	
890-3761-46	BH-11 (4')	Soluble	Solid	DI Leach	
890-3761-47	BH-12 (4')	Soluble	Solid	DI Leach	
890-3761-48	BH-13 (4')	Soluble	Solid	DI Leach	
890-3761-49	BH-15 (4')	Soluble	Solid	DI Leach	
890-3761-50	BH-17 (4')	Soluble	Solid	DI Leach	
890-3761-51	BH-18 (4')	Soluble	Solid	DI Leach	
890-3761-52	BH-19 (4')	Soluble	Solid	DI Leach	
890-3761-53	BH-20 (4')	Soluble	Solid	DI Leach	
890-3761-54	BH-21 (4')	Soluble	Solid	DI Leach	
890-3761-55	BH-22 (4')	Soluble	Solid	DI Leach	
890-3761-56	BH-23 (4')	Soluble	Solid	DI Leach	
890-3761-57	BH-24 (4')	Soluble	Solid	DI Leach	
890-3761-58	BH-25 (4')	Soluble	Solid	DI Leach	
890-3761-59	BH-26 (4')	Soluble	Solid	DI Leach	
890-3761-60	BH-27 (4')	Soluble	Solid	DI Leach	
MB 880-43409/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43409/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43409/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3761-41 MS	BH-6 (4')	Soluble	Solid	DI Leach	
890-3761-41 MSD	BH-6 (4')	Soluble	Solid	DI Leach	
890-3761-51 MS	BH-18 (4')	Soluble	Solid	DI Leach	
890-3761-51 MSD	BH-18 (4')	Soluble	Solid	DI Leach	

Leach Batch: 43410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Soluble	Solid	DI Leach	
890-3761-62	BH-29 (4')	Soluble	Solid	DI Leach	
890-3761-63	BH-31 (7.5')	Soluble	Solid	DI Leach	
890-3761-64	BH-42 (4.5')	Soluble	Solid	DI Leach	
890-3761-65	BH-43 (4.5')	Soluble	Solid	DI Leach	
890-3761-66	BH-44 (4.5')	Soluble	Solid	DI Leach	
890-3761-67	BH-49 (6')	Soluble	Solid	DI Leach	
890-3761-68	BH-50 (4')	Soluble	Solid	DI Leach	
890-3761-69	BH-51 (6')	Soluble	Solid	DI Leach	
890-3761-70	BH-53 (4')	Soluble	Solid	DI Leach	
890-3761-71	BH-54 (6')	Soluble	Solid	DI Leach	
890-3761-72	BH-55 (5')	Soluble	Solid	DI Leach	
890-3761-73	BH-56 (3')	Soluble	Solid	DI Leach	
890-3761-74	BH-58 (3')	Soluble	Solid	DI Leach	
890-3761-75	BH-14 (4')	Soluble	Solid	DI Leach	
890-3761-76	SW-5	Soluble	Solid	DI Leach	
890-3761-77	SW-6	Soluble	Solid	DI Leach	
890-3761-78	SW-7	Soluble	Solid	DI Leach	
890-3761-79	SW-15	Soluble	Solid	DI Leach	
890-3761-80	SW-17	Soluble	Solid	DI Leach	
MB 880-43410/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 43410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-43410/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43410/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3761-61 MS	BH-28 (6')	Soluble	Solid	DI Leach	
890-3761-61 MSD	BH-28 (6')	Soluble	Solid	DI Leach	
890-3761-71 MS	BH-54 (6')	Soluble	Solid	DI Leach	
890-3761-71 MSD	BH-54 (6')	Soluble	Solid	DI Leach	

Leach Batch: 43411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Soluble	Solid	DI Leach	
890-3761-82	SW-22	Soluble	Solid	DI Leach	
890-3761-83	SW-23	Soluble	Solid	DI Leach	
890-3761-84	SW-24	Soluble	Solid	DI Leach	
MB 880-43411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 43412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-93	SW-42	Soluble	Solid	DI Leach	
MB 880-43412/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43412/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43412/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3763-A-4-G MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3763-A-4-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 43413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-85	SW-26	Soluble	Solid	DI Leach	
890-3761-86	SW-27	Soluble	Solid	DI Leach	
890-3761-87	SW-32	Soluble	Solid	DI Leach	
890-3761-88	SW-33	Soluble	Solid	DI Leach	
890-3761-89	SW-37	Soluble	Solid	DI Leach	
890-3761-90	SW-38	Soluble	Solid	DI Leach	
890-3761-91	SW-39	Soluble	Solid	DI Leach	
890-3761-92	SW-40	Soluble	Solid	DI Leach	
MB 880-43413/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43413/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43413/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3761-85 MS	SW-26	Soluble	Solid	DI Leach	
890-3761-85 MSD	SW-26	Soluble	Solid	DI Leach	

Analysis Batch: 43616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-21	BH-84 (6')	Soluble	Solid	300.0	43408
890-3761-22	SW-43	Soluble	Solid	300.0	43408
890-3761-23	SW-44	Soluble	Solid	300.0	43408
890-3761-24	SW-45	Soluble	Solid	300.0	43408
890-3761-25	SW-46	Soluble	Solid	300.0	43408
890-3761-26	SW-47	Soluble	Solid	300.0	43408
890-3761-27	SW-48	Soluble	Solid	300.0	43408

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 43616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-28	SW-49	Soluble	Solid	300.0	43408
890-3761-29	SW-50	Soluble	Solid	300.0	43408
890-3761-30	SW-51	Soluble	Solid	300.0	43408
890-3761-31	SW-52	Soluble	Solid	300.0	43408
890-3761-32	SW-53	Soluble	Solid	300.0	43408
890-3761-33	SW-54	Soluble	Solid	300.0	43408
890-3761-34	SW-55	Soluble	Solid	300.0	43408
890-3761-35	SW-56	Soluble	Solid	300.0	43408
890-3761-36	SW-57	Soluble	Solid	300.0	43408
890-3761-37	SW-58	Soluble	Solid	300.0	43408
890-3761-38	SW-59	Soluble	Solid	300.0	43408
890-3761-39	SW-60	Soluble	Solid	300.0	43408
890-3761-40	SW-61	Soluble	Solid	300.0	43408
MB 880-43408/1-A	Method Blank	Soluble	Solid	300.0	43408
LCS 880-43408/2-A	Lab Control Sample	Soluble	Solid	300.0	43408
LCSD 880-43408/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43408
890-3761-21 MS	BH-84 (6')	Soluble	Solid	300.0	43408
890-3761-21 MSD	BH-84 (6')	Soluble	Solid	300.0	43408
890-3761-31 MS	SW-52	Soluble	Solid	300.0	43408
890-3761-31 MSD	SW-52	Soluble	Solid	300.0	43408

Analysis Batch: 43617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-1	BH-64 (6')	Soluble	Solid	300.0	43407
890-3761-2	BH-65 (4')	Soluble	Solid	300.0	43407
890-3761-3	BH-66 (4')	Soluble	Solid	300.0	43407
890-3761-4	BH-67 (4')	Soluble	Solid	300.0	43407
890-3761-5	BH-68 (4')	Soluble	Solid	300.0	43407
890-3761-6	BH-69 (4')	Soluble	Solid	300.0	43407
890-3761-7	BH-70 (6')	Soluble	Solid	300.0	43407
890-3761-8	BH-71 (6')	Soluble	Solid	300.0	43407
890-3761-9	BH-72 (6')	Soluble	Solid	300.0	43407
890-3761-10	BH-73 (6')	Soluble	Solid	300.0	43407
890-3761-11	BH-74 (7')	Soluble	Solid	300.0	43407
890-3761-12	BH-75 (7')	Soluble	Solid	300.0	43407
890-3761-13	BH-76 (3')	Soluble	Solid	300.0	43407
890-3761-14	BH-77 (7')	Soluble	Solid	300.0	43407
890-3761-15	BH-78 (7')	Soluble	Solid	300.0	43407
890-3761-16	BH-79 (6')	Soluble	Solid	300.0	43407
890-3761-17	BH-80 (6')	Soluble	Solid	300.0	43407
890-3761-18	BH-81 (6')	Soluble	Solid	300.0	43407
890-3761-19	BH-82 (6')	Soluble	Solid	300.0	43407
890-3761-20	BH-83 (6')	Soluble	Solid	300.0	43407
MB 880-43407/1-A	Method Blank	Soluble	Solid	300.0	43407
LCS 880-43407/2-A	Lab Control Sample	Soluble	Solid	300.0	43407
LCSD 880-43407/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43407
890-3761-1 MS	BH-64 (6')	Soluble	Solid	300.0	43407
890-3761-1 MSD	BH-64 (6')	Soluble	Solid	300.0	43407
890-3761-11 MS	BH-74 (7')	Soluble	Solid	300.0	43407
890-3761-11 MSD	BH-74 (7')	Soluble	Solid	300.0	43407

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 43618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-41	BH-6 (4')	Soluble	Solid	300.0	43409
890-3761-42	BH-7 (6')	Soluble	Solid	300.0	43409
890-3761-43	BH-8 (4')	Soluble	Solid	300.0	43409
890-3761-44	BH-9 (6')	Soluble	Solid	300.0	43409
890-3761-45	BH-10 (6')	Soluble	Solid	300.0	43409
890-3761-46	BH-11 (4')	Soluble	Solid	300.0	43409
890-3761-47	BH-12 (4')	Soluble	Solid	300.0	43409
890-3761-48	BH-13 (4')	Soluble	Solid	300.0	43409
890-3761-49	BH-15 (4')	Soluble	Solid	300.0	43409
890-3761-50	BH-17 (4')	Soluble	Solid	300.0	43409
890-3761-51	BH-18 (4')	Soluble	Solid	300.0	43409
890-3761-52	BH-19 (4')	Soluble	Solid	300.0	43409
890-3761-53	BH-20 (4')	Soluble	Solid	300.0	43409
890-3761-54	BH-21 (4')	Soluble	Solid	300.0	43409
890-3761-55	BH-22 (4')	Soluble	Solid	300.0	43409
890-3761-56	BH-23 (4')	Soluble	Solid	300.0	43409
890-3761-57	BH-24 (4')	Soluble	Solid	300.0	43409
890-3761-58	BH-25 (4')	Soluble	Solid	300.0	43409
890-3761-59	BH-26 (4')	Soluble	Solid	300.0	43409
890-3761-60	BH-27 (4')	Soluble	Solid	300.0	43409
MB 880-43409/1-A	Method Blank	Soluble	Solid	300.0	43409
LCS 880-43409/2-A	Lab Control Sample	Soluble	Solid	300.0	43409
LCSD 880-43409/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43409
890-3761-41 MS	BH-6 (4')	Soluble	Solid	300.0	43409
890-3761-41 MSD	BH-6 (4')	Soluble	Solid	300.0	43409
890-3761-51 MS	BH-18 (4')	Soluble	Solid	300.0	43409
890-3761-51 MSD	BH-18 (4')	Soluble	Solid	300.0	43409

Analysis Batch: 43620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-61	BH-28 (6')	Soluble	Solid	300.0	43410
890-3761-62	BH-29 (4')	Soluble	Solid	300.0	43410
890-3761-63	BH-31 (7.5')	Soluble	Solid	300.0	43410
890-3761-64	BH-42 (4.5')	Soluble	Solid	300.0	43410
890-3761-65	BH-43 (4.5')	Soluble	Solid	300.0	43410
890-3761-66	BH-44 (4.5')	Soluble	Solid	300.0	43410
890-3761-67	BH-49 (6')	Soluble	Solid	300.0	43410
890-3761-68	BH-50 (4')	Soluble	Solid	300.0	43410
890-3761-69	BH-51 (6')	Soluble	Solid	300.0	43410
890-3761-70	BH-53 (4')	Soluble	Solid	300.0	43410
890-3761-71	BH-54 (6')	Soluble	Solid	300.0	43410
890-3761-72	BH-55 (5')	Soluble	Solid	300.0	43410
890-3761-73	BH-56 (3')	Soluble	Solid	300.0	43410
890-3761-74	BH-58 (3')	Soluble	Solid	300.0	43410
890-3761-75	BH-14 (4')	Soluble	Solid	300.0	43410
890-3761-76	SW-5	Soluble	Solid	300.0	43410
890-3761-77	SW-6	Soluble	Solid	300.0	43410
890-3761-78	SW-7	Soluble	Solid	300.0	43410
890-3761-79	SW-15	Soluble	Solid	300.0	43410
890-3761-80	SW-17	Soluble	Solid	300.0	43410
MB 880-43410/1-A	Method Blank	Soluble	Solid	300.0	43410

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 43620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-43410/2-A	Lab Control Sample	Soluble	Solid	300.0	43410
LCSD 880-43410/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43410
890-3761-61 MS	BH-28 (6')	Soluble	Solid	300.0	43410
890-3761-61 MSD	BH-28 (6')	Soluble	Solid	300.0	43410
890-3761-71 MS	BH-54 (6')	Soluble	Solid	300.0	43410
890-3761-71 MSD	BH-54 (6')	Soluble	Solid	300.0	43410

Analysis Batch: 43621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-81	SW-21	Soluble	Solid	300.0	43411
890-3761-82	SW-22	Soluble	Solid	300.0	43411
890-3761-83	SW-23	Soluble	Solid	300.0	43411
890-3761-84	SW-24	Soluble	Solid	300.0	43411
MB 880-43411/1-A	Method Blank	Soluble	Solid	300.0	43411
LCS 880-43411/2-A	Lab Control Sample	Soluble	Solid	300.0	43411
LCSD 880-43411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43411

Analysis Batch: 43622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-93	SW-42	Soluble	Solid	300.0	43412
MB 880-43412/1-A	Method Blank	Soluble	Solid	300.0	43412
LCS 880-43412/2-A	Lab Control Sample	Soluble	Solid	300.0	43412
LCSD 880-43412/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43412
890-3763-A-4-G MS	Matrix Spike	Soluble	Solid	300.0	43412
890-3763-A-4-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43412

Analysis Batch: 43623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3761-85	SW-26	Soluble	Solid	300.0	43413
890-3761-86	SW-27	Soluble	Solid	300.0	43413
890-3761-87	SW-32	Soluble	Solid	300.0	43413
890-3761-88	SW-33	Soluble	Solid	300.0	43413
890-3761-89	SW-37	Soluble	Solid	300.0	43413
890-3761-90	SW-38	Soluble	Solid	300.0	43413
890-3761-91	SW-39	Soluble	Solid	300.0	43413
890-3761-92	SW-40	Soluble	Solid	300.0	43413
MB 880-43413/1-A	Method Blank	Soluble	Solid	300.0	43413
LCS 880-43413/2-A	Lab Control Sample	Soluble	Solid	300.0	43413
LCSD 880-43413/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43413
890-3761-85 MS	SW-26	Soluble	Solid	300.0	43413
890-3761-85 MSD	SW-26	Soluble	Solid	300.0	43413

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-64 (6')

Lab Sample ID: 890-3761-1
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 18:40	CH	EET MID

Client Sample ID: BH-65 (4')

Lab Sample ID: 890-3761-2
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:21	CH	EET MID

Client Sample ID: BH-66 (4')

Lab Sample ID: 890-3761-3
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:26	CH	EET MID

Client Sample ID: BH-67 (4')

Lab Sample ID: 890-3761-4
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 03:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-67 (4')

Lab Sample ID: 890-3761-4
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 23:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:30	CH	EET MID

Client Sample ID: BH-68 (4')

Lab Sample ID: 890-3761-5
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 23:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:35	CH	EET MID

Client Sample ID: BH-69 (4')

Lab Sample ID: 890-3761-6
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 00:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:49	CH	EET MID

Client Sample ID: BH-70 (6')

Lab Sample ID: 890-3761-7
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 00:30	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-70 (6')

Lab Sample ID: 890-3761-7
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:54	CH	EET MID

Client Sample ID: BH-71 (6')

Lab Sample ID: 890-3761-8
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 00:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 22:59	CH	EET MID

Client Sample ID: BH-72 (6')

Lab Sample ID: 890-3761-9
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 01:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 23:04	CH	EET MID

Client Sample ID: BH-73 (6')

Lab Sample ID: 890-3761-10
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 23:08	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-74 (7')

Lab Sample ID: 890-3761-11
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 08:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 03:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 23:13	CH	EET MID

Client Sample ID: BH-75 (7')

Lab Sample ID: 890-3761-12
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 08:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/10/23 23:27	CH	EET MID

Client Sample ID: BH-76 (3')

Lab Sample ID: 890-3761-13
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 08:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 08:33	CH	EET MID

Client Sample ID: BH-77 (7')

Lab Sample ID: 890-3761-14
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 09:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-77 (7')

Lab Sample ID: 890-3761-14
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 08:47	CH	EET MID

Client Sample ID: BH-78 (7')

Lab Sample ID: 890-3761-15
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 09:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 08:52	CH	EET MID

Client Sample ID: BH-79 (6')

Lab Sample ID: 890-3761-16
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 10:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 04:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 08:57	CH	EET MID

Client Sample ID: BH-80 (6')

Lab Sample ID: 890-3761-17
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 10:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 05:17	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-80 (6')

Lab Sample ID: 890-3761-17
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		5			43617	01/11/23 09:01	CH	EET MID

Client Sample ID: BH-81 (6')

Lab Sample ID: 890-3761-18
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 11:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 05:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 09:06	CH	EET MID

Client Sample ID: BH-82 (6')

Lab Sample ID: 890-3761-19
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/07/23 06:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 09:11	CH	EET MID

Client Sample ID: BH-83 (6')

Lab Sample ID: 890-3761-20
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43506	01/09/23 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43468	01/10/23 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43401	01/06/23 13:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43315	01/06/23 21:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43407	01/06/23 14:41	KS	EET MID
Soluble	Analysis	300.0		1			43617	01/11/23 09:16	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-84 (6')

Lab Sample ID: 890-3761-21
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/09/23 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 09:54	CH	EET MID

Client Sample ID: SW-43

Lab Sample ID: 890-3761-22
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	43470	01/10/23 00:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:09	CH	EET MID

Client Sample ID: SW-44

Lab Sample ID: 890-3761-23
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:13	CH	EET MID

Client Sample ID: SW-45

Lab Sample ID: 890-3761-24
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-45

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-24
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			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 23:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:18	CH	EET MID

Client Sample ID: SW-46

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-25
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			5.03 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 23:47	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:23	CH	EET MID

Client Sample ID: SW-47

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-26
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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 00:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:37	CH	EET MID

Client Sample ID: SW-48

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-27
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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 02:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 00:30	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-48
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-27
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			4.99 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:42	CH	EET MID

Client Sample ID: SW-49
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-28
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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 00:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:47	CH	EET MID

Client Sample ID: SW-50
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-29
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			5.03 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 01:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:51	CH	EET MID

Client Sample ID: SW-51
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 03:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 10:56	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-52

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-31

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			5.02 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 03:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 11:01	CH	EET MID

Client Sample ID: SW-53

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-32

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			4.99 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 13:37	CH	EET MID

Client Sample ID: SW-54

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-33

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			4.96 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 13:41	CH	EET MID

Client Sample ID: SW-55

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-34

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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-55

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-34
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			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 13:56	CH	EET MID

Client Sample ID: SW-56

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-35
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			5.01 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/06/23 21:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:00	CH	EET MID

Client Sample ID: SW-57

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-36
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			4.97 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 06:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:05	CH	EET MID

Client Sample ID: SW-58

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 06:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 04:54	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-58
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-37
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 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:10	CH	EET MID

Client Sample ID: SW-59
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-38
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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 07:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:15	CH	EET MID

Client Sample ID: SW-60
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-39
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			5.02 g	5 mL	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 07:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 05:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:19	CH	EET MID

Client Sample ID: SW-61
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-40
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	43507	01/09/23 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43470	01/10/23 07:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43402	01/06/23 13:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43317	01/07/23 06:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43408	01/06/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1			43616	01/11/23 14:24	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-6 (4')

Lab Sample ID: 890-3761-41
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 11:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/07/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 15:17	CH	EET MID

Client Sample ID: BH-7 (6')

Lab Sample ID: 890-3761-42
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	43598	01/10/23 11:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/07/23 23:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 15:32	CH	EET MID

Client Sample ID: BH-8 (4')

Lab Sample ID: 890-3761-43
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/07/23 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 15:36	CH	EET MID

Client Sample ID: BH-9 (6')

Lab Sample ID: 890-3761-44
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-9 (6')

Lab Sample ID: 890-3761-44
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 00:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 15:41	CH	EET MID

Client Sample ID: BH-10 (6')

Lab Sample ID: 890-3761-45
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 15:46	CH	EET MID

Client Sample ID: BH-11 (4')

Lab Sample ID: 890-3761-46
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 01:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:00	CH	EET MID

Client Sample ID: BH-12 (4')

Lab Sample ID: 890-3761-47
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/10/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 01:21	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-12 (4')

Lab Sample ID: 890-3761-47
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:05	CH	EET MID

Client Sample ID: BH-13 (4')

Lab Sample ID: 890-3761-48
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	43598	01/10/23 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 01:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:17	CH	EET MID

Client Sample ID: BH-15 (4')

Lab Sample ID: 890-3761-49
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 02:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:21	CH	EET MID

Client Sample ID: BH-17 (4')

Lab Sample ID: 890-3761-50
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:26	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-18 (4')

Lab Sample ID: 890-3761-51
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:31	CH	EET MID

Client Sample ID: BH-19 (4')

Lab Sample ID: 890-3761-52
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:45	CH	EET MID

Client Sample ID: BH-20 (4')

Lab Sample ID: 890-3761-53
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 16:50	CH	EET MID

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3761-54
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-21 (4')

Lab Sample ID: 890-3761-54
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 04:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:04	CH	EET MID

Client Sample ID: BH-22 (4')

Lab Sample ID: 890-3761-55
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 04:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:09	CH	EET MID

Client Sample ID: BH-23 (4')

Lab Sample ID: 890-3761-56
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:14	CH	EET MID

Client Sample ID: BH-24 (4')

Lab Sample ID: 890-3761-57
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 05:16	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-24 (4')

Lab Sample ID: 890-3761-57
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:18	CH	EET MID

Client Sample ID: BH-25 (4')

Lab Sample ID: 890-3761-58
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 18:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 05:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:23	CH	EET MID

Client Sample ID: BH-26 (4')

Lab Sample ID: 890-3761-59
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 05:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		5			43618	01/11/23 17:28	CH	EET MID

Client Sample ID: BH-27 (4')

Lab Sample ID: 890-3761-60
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43508	01/09/23 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43598	01/10/23 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43403	01/06/23 14:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43454	01/08/23 06:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43409	01/06/23 14:44	KS	EET MID
Soluble	Analysis	300.0		1			43618	01/11/23 17:32	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-28 (6')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-61
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/07/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:11	CH	EET MID

Client Sample ID: BH-29 (4')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-62
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/07/23 23:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:25	CH	EET MID

Client Sample ID: BH-31 (7.5')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-63
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/07/23 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:30	CH	EET MID

Client Sample ID: BH-42 (4.5')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-64
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-42 (4.5')

Lab Sample ID: 890-3761-64
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 00:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:34	CH	EET MID

Client Sample ID: BH-43 (4.5')

Lab Sample ID: 890-3761-65
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:39	CH	EET MID

Client Sample ID: BH-44 (4.5')

Lab Sample ID: 890-3761-66
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 01:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:53	CH	EET MID

Client Sample ID: BH-49 (6')

Lab Sample ID: 890-3761-67
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 01:21	SM	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-49 (6')

Lab Sample ID: 890-3761-67
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 18:58	CH	EET MID

Client Sample ID: BH-50 (4')

Lab Sample ID: 890-3761-68
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 01:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:03	CH	EET MID

Client Sample ID: BH-51 (6')

Lab Sample ID: 890-3761-69
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 02:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:08	CH	EET MID

Client Sample ID: BH-53 (4')

Lab Sample ID: 890-3761-70
Matrix: Solid
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 21:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:12	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-54 (6')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-71
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:17	CH	EET MID

Client Sample ID: BH-55 (5')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-72
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 23:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:31	CH	EET MID

Client Sample ID: BH-56 (3')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-73
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/11/23 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:36	CH	EET MID

Client Sample ID: BH-58 (3')
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-74
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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/12/23 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: BH-58 (3')

Lab Sample ID: 890-3761-74

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 04:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:50	CH	EET MID

Client Sample ID: BH-14 (4')

Lab Sample ID: 890-3761-75

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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	43509	01/09/23 10:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43695	01/12/23 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/12/23 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 04:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 19:55	CH	EET MID

Client Sample ID: SW-5

Lab Sample ID: 890-3761-76

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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			5.02 g	5 mL	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 20:00	CH	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-3761-77

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

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			5.02 g	5 mL	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 06:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 05:16	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-6
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-77
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	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 20:05	CH	EET MID

Client Sample ID: SW-7
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-78
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	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 06:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 05:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 20:09	CH	EET MID

Client Sample ID: SW-15
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-79
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	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 07:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 05:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 20:14	CH	EET MID

Client Sample ID: SW-17
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-80
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	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 07:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43405	01/06/23 14:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43452	01/08/23 06:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43410	01/06/23 14:46	KS	EET MID
Soluble	Analysis	300.0		1			43620	01/11/23 20:19	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-21

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-81
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 21:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43411	01/06/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			43621	01/12/23 12:26	CH	EET MID

Client Sample ID: SW-22

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-82
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 16:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 22:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43411	01/06/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			43621	01/12/23 12:32	CH	EET MID

Client Sample ID: SW-23

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-83
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 22:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43411	01/06/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			43621	01/12/23 12:38	CH	EET MID

Client Sample ID: SW-24

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-84
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-24

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-84
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			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43411	01/06/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			43621	01/12/23 12:44	CH	EET MID

Client Sample ID: SW-26

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-85
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 23:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 13:34	CH	EET MID

Client Sample ID: SW-27

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-86
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/08/23 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 13:52	CH	EET MID

Client Sample ID: SW-32

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-87
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 00:00	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-32
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-87
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	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 13:58	CH	EET MID

Client Sample ID: SW-33
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-88
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 00:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 14:04	CH	EET MID

Client Sample ID: SW-37
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-89
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 00:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 14:11	CH	EET MID

Client Sample ID: SW-38
Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-90
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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 01:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 14:35	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Client Sample ID: SW-39

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-91

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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 14:41	CH	EET MID

Client Sample ID: SW-40

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-92

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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 04:58	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43413	01/06/23 14:49	KS	EET MID
Soluble	Analysis	300.0		1			43623	01/12/23 14:47	CH	EET MID

Client Sample ID: SW-42

Date Collected: 01/03/23 00:00
Date Received: 01/04/23 14:25

Lab Sample ID: 890-3761-93

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	43510	01/09/23 10:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43646	01/10/23 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43662	01/11/23 10:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43523	01/09/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43417	01/06/23 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43458	01/09/23 04:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43412	01/06/23 14:48	KS	EET MID
Soluble	Analysis	300.0		5			43622	01/12/23 22:46	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 271

Job ID: 890-3761-1
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 271

Job ID: 890-3761-1
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 271

Job ID: 890-3761-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3761-1	BH-64 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-2	BH-65 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-3	BH-66 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-4	BH-67 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-5	BH-68 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-6	BH-69 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-7	BH-70 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-8	BH-71 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-9	BH-72 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-10	BH-73 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-11	BH-74 (7')	Solid	01/03/23 00:00	01/04/23 14:25	7
890-3761-12	BH-75 (7')	Solid	01/03/23 00:00	01/04/23 14:25	7
890-3761-13	BH-76 (3')	Solid	01/03/23 00:00	01/04/23 14:25	3
890-3761-14	BH-77 (7')	Solid	01/03/23 00:00	01/04/23 14:25	7
890-3761-15	BH-78 (7')	Solid	01/03/23 00:00	01/04/23 14:25	7
890-3761-16	BH-79 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-17	BH-80 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-18	BH-81 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-19	BH-82 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-20	BH-83 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-21	BH-84 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-22	SW-43	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-23	SW-44	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-24	SW-45	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-25	SW-46	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-26	SW-47	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-27	SW-48	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-28	SW-49	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-29	SW-50	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-30	SW-51	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-31	SW-52	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-32	SW-53	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-33	SW-54	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-34	SW-55	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-35	SW-56	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-36	SW-57	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-37	SW-58	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-38	SW-59	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-39	SW-60	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-40	SW-61	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-41	BH-6 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-42	BH-7 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-43	BH-8 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-44	BH-9 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-45	BH-10 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-46	BH-11 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-47	BH-12 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-48	BH-13 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-49	BH-15 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-50	BH-17 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-51	BH-18 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-52	BH-19 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-53	BH-20 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-54	BH-21 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 890-3761-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3761-55	BH-22 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-56	BH-23 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-57	BH-24 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-58	BH-25 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-59	BH-26 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-60	BH-27 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-61	BH-28 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-62	BH-29 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-63	BH-31 (7.5')	Solid	01/03/23 00:00	01/04/23 14:25	7.5
890-3761-64	BH-42 (4.5')	Solid	01/03/23 00:00	01/04/23 14:25	4.5
890-3761-65	BH-43 (4.5')	Solid	01/03/23 00:00	01/04/23 14:25	4.5
890-3761-66	BH-44 (4.5')	Solid	01/03/23 00:00	01/04/23 14:25	4.5
890-3761-67	BH-49 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-68	BH-50 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-69	BH-51 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-70	BH-53 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-71	BH-54 (6')	Solid	01/03/23 00:00	01/04/23 14:25	6
890-3761-72	BH-55 (5')	Solid	01/03/23 00:00	01/04/23 14:25	5
890-3761-73	BH-56 (3')	Solid	01/03/23 00:00	01/04/23 14:25	3
890-3761-74	BH-58 (3')	Solid	01/03/23 00:00	01/04/23 14:25	3
890-3761-75	BH-14 (4')	Solid	01/03/23 00:00	01/04/23 14:25	4
890-3761-76	SW-5	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-77	SW-6	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-78	SW-7	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-79	SW-15	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-80	SW-17	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-81	SW-21	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-82	SW-22	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-83	SW-23	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-84	SW-24	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-85	SW-26	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-86	SW-27	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-87	SW-32	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-88	SW-33	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-89	SW-37	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-90	SW-38	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-91	SW-39	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-92	SW-40	Solid	01/03/23 00:00	01/04/23 14:25	
890-3761-93	SW-42	Solid	01/03/23 00:00	01/04/23 14:25	

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

890-3761 Chain of Custody

Client Name:	JR Oil	Site Manager:	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to:	Accounts Payable 901 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 DATE (YEAR: 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-64 (6')	1/3/2023			X			X			X		X												X							
	BH-65 (4')	1/3/2023			X			X			X		X												X							
	BH-66 (4')	1/3/2023			X			X			X		X												X							
	BH-67 (4')	1/3/2023			X			X			X		X												X							
	BH-68 (4')	1/3/2023			X			X			X		X												X							
	BH-69 (4')	1/3/2023			X			X			X		X												X							
	BH-70 (6')	1/3/2023			X			X			X		X												X							
	BH-71 (6')	1/3/2023			X			X			X		X												X							
	BH-72 (6')	1/3/2023			X			X			X		X												X							
	BH-73 (6')	1/3/2023			X			X			X		X												X							

Relinquished by:	Date:	Time:	Received by:
Miguel A Flores			1-4-23 1425
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY

Sample Temperature
2.6/2.4
T-NM007
-0.2

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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 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	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-74 (7')	1/3/2023			x				x					x		x												x								
	BH-75 (7')	1/3/2023			x				x					x		x												x								
	BH-76 (3')	1/3/2023			x				x					x		x												x								
	BH-77 (7')	1/3/2023			x				x					x		x												x								
	BH-78 (7')	1/3/2023			x				x					x		x												x								
	BH-79 (6')	1/3/2023			X				X					X		X												X								
	BH-80 (6')	1/3/2023			X				X					X		X												X								
	BH-81 (6')	1/3/2023			X				X					X		X												X								
	BH-82 (6')	1/3/2023			X				X					X		X												X								
	BH-83 (6')	1/3/2023			X				X					X		X												X								

Relinquished by: Miguel A Flores	Date:	Time:	Received by: Ace Clifton
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature 91

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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 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	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-84 (6')	1/3/2023			x				x					x		x												x								
	SW-43	1/3/2023			x				x					x		x												x								
	SW-44	1/3/2023			x				x					x		x												x								
	SW-45	1/3/2023			x				x					x		x												x								
	SW-46	1/3/2023			x				x					x		x												x								
	SW-47	1/3/2023			X				X					X		X												X								
	SW-48	1/3/2023			X				X					X		X												X								
	SW-49	1/3/2023			X				X					X		X												X								
	SW-50	1/3/2023			X				X					X		X												X								
	SW-51	1/3/2023			X				X					X		X												X								

Relinquished by: Miguel A Flores	Date:	Time:	Received by: Clee Clifton Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
Pg 1

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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 YEAR: 2022 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
	SW-52	1/3/2023			x			x			x		x												x							
	SW-53	1/3/2023			x			x			x		x												x							
	SW-54	1/3/2023			x			x			x		x												x							
	SW-55	1/3/2023			x			x			x		x												x							
	SW-56	1/3/2023			x			x			x		x												x							
	SW-57	1/3/2023			X			X			X		X												X							
	SW-58	1/3/2023			X			X			X		X												X							
	SW-59	1/3/2023			X			X			X		X												X							
	SW-60	1/3/2023			X			X			X		X												X							
	SW-61	1/3/2023			X			X			X		X												X							

Relinquished by: Miguel A Flores	Date:	Time:	Received by: Ave Clifton
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
Rgl

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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 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	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
														BTEX 8260B																							
	BH-6 (4')	1/3/2023			x				x					x		x												x								
	BH-7 (6')	1/3/2023			x				x					x		x												x								
	BH-8 (4')	1/3/2023			x				x					x		x												x								
	BH-9 (6')	1/3/2023			x				x					x		x												x								
	BH-10 (6')	1/3/2023			x				x					x		x												x								
	BH-11 (4')	1/3/2023			X				X					X		X												X								
	BH-12 (4')	1/3/2023			X				X					X		X												X								
	BH-13 (4')	1/3/2023			X				X					X		X												X								
	BH-15 (4')	1/3/2023			X				X					X		X												X								
	BH-17 (4')	1/3/2023			X				X					X		X												X								

Relinquished by: Miguel A Flores	Date:	Time:	Received by: Ave Clifton
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
Pg 1

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-18 (4')	1/3/2023			x				x					x		x												x							
	BH-19 (4')	1/3/2023			x				x					x		x												x							
	BH-20 (4')	1/3/2023			x				x					x		x												x							
	BH-21 (4')	1/3/2023			x				x					x		x												x							
	BH-22 (4')	1/3/2023			x				x					x		x												x							
	BH-23 (4')	1/3/2023			X				X					X		X												X							
	BH-24 (4')	1/3/2023			X				X					X		X												X							
	BH-25 (4')	1/3/2023			X				X					X		X												X							
	BH-26 (4')	1/3/2023			X				X					X		X												X							
	BH-27 (4')	1/3/2023			X				X					X		X												X							

Relinquished by: Miguel A Flores	Date:	Time:	Received by: Gue Clifton
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
Psi

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

1/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	SW-21	1/3/2023			x			x			x			x												x				
	SW-22	1/3/2023			x			x			x			x												x				
	SW-23	1/3/2023			x			x			x			x												x				
	SW-24	1/3/2023			x			x			x			x												x				
	SW-26	1/3/2023			x			x			x			x												x				
	SW-27	1/3/2023			X			X			X			X												X				
	SW-32	1/3/2023			X			X			X			X												X				
	SW-33	1/3/2023			X			X			X			X												X				
	SW-37	1/3/2023			X			X			X			X												X				
	SW-38	1/3/2023			X			X			X			X												X				

Relinquished by: Miguel A Flores	Date:	Time:
Relinquished by:	Date:	Time:
Relinquished by:	Date:	Time:
Received 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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	Accounts Payable 901 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	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-54 (6')	1/3/2023			x			x			x		x												x					
	BH-55 (5')	1/3/2023			x			x			x		x												x					
	BH-56 (3')	1/3/2023			x			x			x		x												x					
	BH-58 (3')	1/3/2023			x			x			x		x												x					
	BH-14 (4')	1/3/2023			x			x			x		x												x					
	SW-5	1/3/2023			X			X			X		X												X					
	SW-6	1/3/2023			X			X			X		X												X					
	SW-7	1/3/2023			X			X			X		X												X					
	SW-15	1/3/2023			X			X			X		X												X					
	SW-17	1/3/2023			X			X			X		X												X					

Relinquished by: Miguel A Flores	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY
Sample Temperature

REMARKS: Standard TAT

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

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1/13/2023

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Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU 271	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:** 212C-MD-02890
Invoice to: Accounts Payable 901 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	# 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-28 (6')	1/3/2023			x				x				x			x												x								
	BH-29 (4')	1/3/2023			x				x				x			x												x								
	BH-31 (7.5')	1/3/2023			x				x				x			x												x								
	BH-42 (4.5')	1/3/2023			x				x				x			x												x								
	BH-43 (4.5')	1/3/2023			x				x				x			x												x								
	BH-44 (4.5')	1/3/2023			X				X				X			X												X								
	BH-49 (6')	1/3/2023			X				X				X			X												X								
	BH-50 (4')	1/3/2023			X				X				X			X												X								
	BH-51 (6')	1/3/2023			X				X				X			X												X								
	BH-53 (4')	1/3/2023			X				X				X			X												X								

Relinquished by: Miguel A Flores	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY
Sample Temperature

REMARKS: Standard TAT

- ☐ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
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901 W Wall Street, Ste 100
Midland, Texas 79701
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Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
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Invoice to:	Accounts Payable 901 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 YEAR: 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	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	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	SW-39	1/3/2023			x				x				x			x												x									
	SW-40	1/3/2023			x				x				x			x												x									
	SW-42	1/3/2023			x				x				x			x												x									
		1/3/2023			x				x				x			x												x									
		1/3/2023			x				x				x			x												x									
		1/3/2023			X				X				X			X												X									
		1/3/2023			X				X				X			X												X									
		1/3/2023			X				X				X			X												X									
		1/3/2023			X				X				X			X												X									
		1/3/2023			X				X				X			X												X									

Relinquished by: Miguel A Flores	Date:	Time:
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Received 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

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3761-1
SDG Number: Lea County NM

Login Number: 3761
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: 890-3761-1
SDG Number: Lea County NM

Login Number: 3761
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/06/23 11:27 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/23/2023 1:11:23 PM Revision 1

JOB DESCRIPTION

MLMU 271
SDG NUMBER Lea County, NM

JOB NUMBER

880-26042-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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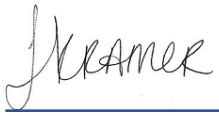
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Eurofins Midland

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



Generated
3/23/2023 1:11:23 PM
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 271

Laboratory Job ID: 880-26042-1
SDG: Lea County, NM

Table of Contents

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Method Summary 23
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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Job ID: 880-26042-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26042-1

REVISION

The report being provided is a revision of the original report sent on 3/20/2023. The report (revision 1) is being revised due to Revised report to add samples taken off hold..

Report revision history

Receipt
The samples were received on 3/16/2023 11:30 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH- 12 (10.25') (880-26042-1), BH- 15 (10.25') (880-26042-2), SW-46 (6-10.25') (880-26042-3) and BH- 13 (10.25') (880-26042-4).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BH- 15 (10.25') (880-26042-2) and BH- 13 (10.25') (880-26042-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-49111 and analytical batch 880-49163 were outside control limits. Non-homogeneity is 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: SW-46 (6-10.25') (880-26042-3) and (MB 880-49111/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4295-A-12-A). 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- 15 (10.25') (880-26042-2). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48962 and 880-48962 and analytical batch 880-49134 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: BH- 15 (10.25') (880-26042-2), SW-46 (6-10.25') (880-26042-3), BH- 13 (10.25') (880-26042-4), (880-26045-A-1-D), (880-26045-A-1-E MS) and (880-26045-A-1-F MSD).

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 271

Job ID: 880-26042-1
SDG: Lea County, NM

Client Sample ID: BH- 12 (10.25')

Lab Sample ID: 880-26042-1
Matrix: Solid
Date Collected: 03/15/23 09:00
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0201	U	0.0201		mg/Kg		03/21/23 14:40	03/21/23 20:59	10
Toluene	<0.0201	U	0.0201		mg/Kg		03/21/23 14:40	03/21/23 20:59	10
Ethylbenzene	<0.0201	U	0.0201		mg/Kg		03/21/23 14:40	03/21/23 20:59	10
m-Xylene & p-Xylene	<0.0402	U	0.0402		mg/Kg		03/21/23 14:40	03/21/23 20:59	10
o-Xylene	<0.0201	U	0.0201		mg/Kg		03/21/23 14:40	03/21/23 20:59	10
Xylenes, Total	<0.0402	U	0.0402		mg/Kg		03/21/23 14:40	03/21/23 20:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*03/21/23 14:40*	*03/21/23 20:59*	*10*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/21/23 14:40*	*03/21/23 20:59*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0402	U	0.0402		mg/Kg			03/22/23 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**107**		50.0		mg/Kg			03/17/23 15:55	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		03/16/23 14:57	03/17/23 04:17	1
Diesel Range Organics (Over C10-C28)	**107**		50.0		mg/Kg		03/16/23 14:57	03/17/23 04:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/16/23 14:57	03/17/23 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*03/16/23 14:57*	*03/17/23 04:17*	*1*
o-Terphenyl	*126*		*70 - 130*	*03/16/23 14:57*	*03/17/23 04:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**693**		5.00		mg/Kg			03/20/23 23:34	1

Client Sample ID: BH- 15 (10.25')

Lab Sample ID: 880-26042-2
Matrix: Solid
Date Collected: 03/15/23 09:05
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0202	U	0.0202		mg/Kg		03/21/23 14:40	03/21/23 21:20	10
Toluene	<0.0202	U	0.0202		mg/Kg		03/21/23 14:40	03/21/23 21:20	10
Ethylbenzene	<0.0202	U	0.0202		mg/Kg		03/21/23 14:40	03/21/23 21:20	10
m-Xylene & p-Xylene	<0.0404	U	0.0404		mg/Kg		03/21/23 14:40	03/21/23 21:20	10
o-Xylene	<0.0202	U	0.0202		mg/Kg		03/21/23 14:40	03/21/23 21:20	10
Xylenes, Total	<0.0404	U	0.0404		mg/Kg		03/21/23 14:40	03/21/23 21:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*03/21/23 14:40*	*03/21/23 21:20*	*10*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/21/23 14:40*	*03/21/23 21:20*	*10*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Client Sample ID: BH- 15 (10.25')

Lab Sample ID: 880-26042-2
Matrix: Solid
Date Collected: 03/15/23 09:05
Date Received: 03/16/23 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0404	U	0.0404		mg/Kg			03/22/23 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**267**		49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/16/23 14:57	03/17/23 04:39	1
Diesel Range Organics (Over C10-C28)	**267**		49.9		mg/Kg		03/16/23 14:57	03/17/23 04:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/16/23 14:57	03/17/23 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*03/16/23 14:57*	*03/17/23 04:39*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*03/16/23 14:57*	*03/17/23 04:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**744**		5.03		mg/Kg			03/21/23 03:46	1

Client Sample ID: SW-46 (6-10.25')

Lab Sample ID: 880-26042-3
Matrix: Solid
Date Collected: 03/15/23 09:10
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 13:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/21/23 11:42	03/22/23 13:17	1
o-Xylene	**0.0263**		0.00200		mg/Kg		03/21/23 11:42	03/22/23 13:17	1
Xylenes, Total	**0.0263**		0.00399		mg/Kg		03/21/23 11:42	03/22/23 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*03/21/23 11:42*	*03/22/23 13:17*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/21/23 11:42*	*03/22/23 13:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0263**		0.00399		mg/Kg			03/22/23 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/16/23 14:57	03/17/23 05:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/16/23 14:57	03/17/23 05:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Client Sample ID: SW-46 (6-10.25')

Lab Sample ID: 880-26042-3
Matrix: Solid
Date Collected: 03/15/23 09:10
Date Received: 03/16/23 11:30

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		03/16/23 14:57	03/17/23 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/23 14:57*	*03/17/23 05:00*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/16/23 14:57*	*03/17/23 05:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1100**		24.8		mg/Kg			03/21/23 03:51	5

Client Sample ID: BH- 13 (10.25')

Lab Sample ID: 880-26042-4
Matrix: Solid
Date Collected: 03/15/23 09:15
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0573**		0.0396		mg/Kg		03/21/23 14:40	03/21/23 21:40	20
Toluene	**0.212**		0.0396		mg/Kg		03/21/23 14:40	03/21/23 21:40	20
Ethylbenzene	**2.22**		0.0396		mg/Kg		03/21/23 14:40	03/21/23 21:40	20
m-Xylene & p-Xylene	**3.13**		0.0792		mg/Kg		03/21/23 14:40	03/21/23 21:40	20
o-Xylene	**1.53**		0.0396		mg/Kg		03/21/23 14:40	03/21/23 21:40	20
Xylenes, Total	**4.66**		0.0792		mg/Kg		03/21/23 14:40	03/21/23 21:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*252*	*S1+*	*70 - 130*	*03/21/23 14:40*	*03/21/23 21:40*	*20*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*03/21/23 14:40*	*03/21/23 21:40*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**7.15**		0.0792		mg/Kg			03/22/23 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1620**		49.8		mg/Kg			03/17/23 15:55	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	**96.3**		49.8		mg/Kg		03/16/23 14:57	03/17/23 01:48	1
Diesel Range Organics (Over C10-C28)	**1360**		49.8		mg/Kg		03/16/23 14:57	03/17/23 01:48	1
Oll Range Organics (Over C28-C36)	**160**		49.8		mg/Kg		03/16/23 14:57	03/17/23 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/16/23 14:57*	*03/17/23 01:48*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/16/23 14:57*	*03/17/23 01:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**955**		4.97		mg/Kg			03/21/23 03:55	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
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)
880-25818-A-41-H MS	Matrix Spike	86	112
880-25818-A-41-I MSD	Matrix Spike Duplicate	107	88
880-26042-1	BH- 12 (10.25')	73	83
880-26042-2	BH- 15 (10.25')	60 S1-	100
880-26042-3	SW-46 (6-10.25')	64 S1-	99
880-26042-4	BH- 13 (10.25')	252 S1+	71
890-4348-A-2-D MS	Matrix Spike	97	101
890-4348-A-2-E MSD	Matrix Spike Duplicate	85	98
LCS 880-49091/1-A	Lab Control Sample	86	107
LCS 880-49111/1-A	Lab Control Sample	84	92
LCSD 880-49091/2-A	Lab Control Sample Dup	91	93
LCSD 880-49111/2-A	Lab Control Sample Dup	101	104
MB 880-49091/5-A	Method Blank	72	75
MB 880-49111/5-A	Method Blank	64 S1-	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)
880-26042-1	BH- 12 (10.25')	114	126
880-26042-2	BH- 15 (10.25')	119	133 S1+
880-26042-3	SW-46 (6-10.25')	105	119
880-26042-4	BH- 13 (10.25')	105	109
890-4295-A-12-B MS	Matrix Spike	129	130
890-4295-A-12-C MSD	Matrix Spike Duplicate	113	115
LCS 880-48780/2-A	Lab Control Sample	110	123
LCSD 880-48780/3-A	Lab Control Sample Dup	108	120
MB 880-48780/1-A	Method Blank	109	129

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49091/5-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/23 09:28	03/21/23 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/21/23 09:28	03/21/23 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/21/23 09:28	03/21/23 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/21/23 09:28*	*03/21/23 12:45*	*1*

Lab Sample ID: LCS 880-49091/1-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1194		mg/Kg		119	70 - 130		
Toluene			0.100	0.1068		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.09680		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.09948		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-49091/2-A
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09058		mg/Kg		91	70 - 130	27	35
Toluene			0.100	0.09286		mg/Kg		93	70 - 130	14	35
Ethylbenzene			0.100	0.08533		mg/Kg		85	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1771		mg/Kg		89	70 - 130	14	35
o-Xylene			0.100	0.08571		mg/Kg		86	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-25818-A-41-H MS
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.1144		mg/Kg		115	70 - 130		
Toluene	<0.00200	U	0.0998	0.09361		mg/Kg		94	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

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

Lab Sample ID: 880-25818-A-41-H MS
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.08188		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1678		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08195		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-25818-A-41-I MSD
Matrix: Solid
Analysis Batch: 49077

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09845		mg/Kg		99	70 - 130	15	35
Toluene	<0.00200	U	0.0990	0.09627		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0990	0.09632		mg/Kg		97	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2106		mg/Kg		106	70 - 130	23	35
o-Xylene	<0.00200	U	0.0990	0.1022		mg/Kg		103	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 880-49111/5-A
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/21/23 11:42	03/22/23 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/21/23 11:42	03/22/23 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/21/23 11:42	03/22/23 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*03/21/23 11:42*	*03/22/23 11:54*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/21/23 11:42*	*03/22/23 11:54*	*1*

Lab Sample ID: LCS 880-49111/1-A
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08522		mg/Kg		85	70 - 130
Toluene	0.100	0.08605		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08173		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1709		mg/Kg		85	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-49111/1-A
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49111

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08369		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-49111/2-A
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49111

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09598		mg/Kg		96	70 - 130	12	35
Toluene			0.100	0.09262		mg/Kg		93	70 - 130	7	35
Ethylbenzene			0.100	0.09865		mg/Kg		99	70 - 130	19	35
m-Xylene & p-Xylene			0.200	0.2179		mg/Kg		109	70 - 130	24	35
o-Xylene			0.100	0.1071		mg/Kg		107	70 - 130	25	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-4348-A-2-D MS
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.08183		mg/Kg		81	70 - 130		
Toluene	<0.00201	U	0.100	0.07969		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00201	U F1	0.100	0.07120		mg/Kg		71	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1525		mg/Kg		76	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.07468		mg/Kg		74	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-4348-A-2-E MSD
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49111

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	0.06959		mg/Kg		70	70 - 130	16	35
Toluene	<0.00201	U	0.0990	0.06890		mg/Kg		70	70 - 130	15	35
Ethylbenzene	<0.00201	U F1	0.0990	0.05778	F1	mg/Kg		58	70 - 130	21	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1222	F1	mg/Kg		62	70 - 130	22	35
o-Xylene	<0.00201	U F1	0.0990	0.05874	F1	mg/Kg		59	70 - 130	24	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

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

Lab Sample ID: 890-4348-A-2-E MSD
Matrix: Solid
Analysis Batch: 49163

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49111

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-48780/1-A
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48780

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		03/16/23 14:57	03/16/23 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/16/23 14:57	03/16/23 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/16/23 14:57	03/16/23 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/16/23 14:57	03/16/23 20:06	1
o-Terphenyl	129		70 - 130	03/16/23 14:57	03/16/23 20:06	1

Lab Sample ID: LCS 880-48780/2-A
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48780

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1129		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	926.8		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-48780/3-A
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1090		mg/Kg		109	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	902.1		mg/Kg		90	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	120		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

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

Lab Sample ID: 890-4295-A-12-B MS
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48780

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	1179		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	404		998	1258		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*130*		*70 - 130*

Lab Sample ID: 890-4295-A-12-C MSD
Matrix: Solid
Analysis Batch: 48705

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48780

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	1009		mg/Kg		96	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	404		999	1119		mg/Kg		72	70 - 130	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48962/1-A
Matrix: Solid
Analysis Batch: 49134

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			03/21/23 01:30	1

Lab Sample ID: LCS 880-48962/2-A
Matrix: Solid
Analysis Batch: 49134

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.3		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-48962/3-A
Matrix: Solid
Analysis Batch: 49134

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	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-26045-A-1-E MS
Matrix: Solid
Analysis Batch: 49134

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	2180	F1	1250	3592	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-26045-A-1-F MSD
Matrix: Solid
Analysis Batch: 49134

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	2180	F1	1250	3594	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-26047-A-8-C MS
Matrix: Solid
Analysis Batch: 49134

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	11500		5050	16460		mg/Kg		98	90 - 110

Lab Sample ID: 880-26047-A-8-D MSD
Matrix: Solid
Analysis Batch: 49134

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	11500		5050	16490		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-48959/1-A
Matrix: Solid
Analysis Batch: 49138

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			03/20/23 21:02	1

Lab Sample ID: LCS 880-48959/2-A
Matrix: Solid
Analysis Batch: 49138

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-48959/3-A
Matrix: Solid
Analysis Batch: 49138

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	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-4337-A-11-C MS
Matrix: Solid
Analysis Batch: 49138

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	88.0		251	336.1		mg/Kg		99	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4337-A-11-D MSD
Matrix: Solid
Analysis Batch: 49138

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	88.0		251	334.1		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 49077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	8021B	49091
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	8021B	49091
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	8021B	49091
MB 880-49091/5-A	Method Blank	Total/NA	Solid	8021B	49091
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	8021B	49091
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49091
880-25818-A-41-H MS	Matrix Spike	Total/NA	Solid	8021B	49091
880-25818-A-41-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49091

Prep Batch: 49091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	5035	
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	5035	
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	5035	
MB 880-49091/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49091/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49091/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25818-A-41-H MS	Matrix Spike	Total/NA	Solid	5035	
880-25818-A-41-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 49111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	5035	
MB 880-49111/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49111/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49111/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4348-A-2-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4348-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	8021B	49111
MB 880-49111/5-A	Method Blank	Total/NA	Solid	8021B	49111
LCS 880-49111/1-A	Lab Control Sample	Total/NA	Solid	8021B	49111
LCSD 880-49111/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49111
890-4348-A-2-D MS	Matrix Spike	Total/NA	Solid	8021B	49111
890-4348-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49111

Analysis Batch: 49227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	Total BTEX	
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	Total BTEX	
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	Total BTEX	
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	8015B NM	48780
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	8015B NM	48780

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 48705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	8015B NM	48780
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	8015B NM	48780
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015B NM	48780
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48780
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48780
890-4295-A-12-B MS	Matrix Spike	Total/NA	Solid	8015B NM	48780
890-4295-A-12-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48780

Prep Batch: 48780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	8015NM Prep	
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	8015NM Prep	
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	8015NM Prep	
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	8015NM Prep	
MB 880-48780/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48780/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4295-A-12-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4295-A-12-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Total/NA	Solid	8015 NM	
880-26042-2	BH- 15 (10.25')	Total/NA	Solid	8015 NM	
880-26042-3	SW-46 (6-10.25')	Total/NA	Solid	8015 NM	
880-26042-4	BH- 13 (10.25')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Soluble	Solid	DI Leach	
MB 880-48959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4337-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4337-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 48962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-2	BH- 15 (10.25')	Soluble	Solid	DI Leach	
880-26042-3	SW-46 (6-10.25')	Soluble	Solid	DI Leach	
880-26042-4	BH- 13 (10.25')	Soluble	Solid	DI Leach	
MB 880-48962/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48962/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48962/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26045-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-26045-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-26047-A-8-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-26047-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 49134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-2	BH- 15 (10.25')	Soluble	Solid	300.0	48962
880-26042-3	SW-46 (6-10.25')	Soluble	Solid	300.0	48962
880-26042-4	BH- 13 (10.25')	Soluble	Solid	300.0	48962
MB 880-48962/1-A	Method Blank	Soluble	Solid	300.0	48962
LCS 880-48962/2-A	Lab Control Sample	Soluble	Solid	300.0	48962
LCSD 880-48962/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48962
880-26045-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	48962
880-26045-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48962
880-26047-A-8-C MS	Matrix Spike	Soluble	Solid	300.0	48962
880-26047-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48962

Analysis Batch: 49138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26042-1	BH- 12 (10.25')	Soluble	Solid	300.0	48959
MB 880-48959/1-A	Method Blank	Soluble	Solid	300.0	48959
LCS 880-48959/2-A	Lab Control Sample	Soluble	Solid	300.0	48959
LCSD 880-48959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48959
890-4337-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	48959
890-4337-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48959

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Client Sample ID: BH- 12 (10.25')

Lab Sample ID: 880-26042-1
Matrix: Solid
Date Collected: 03/15/23 09:00
Date Received: 03/16/23 11:30

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	49091	03/21/23 14:40	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	49077	03/21/23 20:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49227	03/22/23 15:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48853	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/17/23 04:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48959	03/20/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49138	03/20/23 23:34	SMC	EET MID

Client Sample ID: BH- 15 (10.25')

Lab Sample ID: 880-26042-2
Matrix: Solid
Date Collected: 03/15/23 09:05
Date Received: 03/16/23 11:30

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	49091	03/21/23 14:40	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	49077	03/21/23 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49227	03/22/23 15:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48853	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/17/23 04:39	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48962	03/20/23 10:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49134	03/21/23 03:46	SMC	EET MID

Client Sample ID: SW-46 (6-10.25')

Lab Sample ID: 880-26042-3
Matrix: Solid
Date Collected: 03/15/23 09:10
Date Received: 03/16/23 11:30

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	49111	03/21/23 11:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49163	03/22/23 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49227	03/22/23 16:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48853	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/17/23 05:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48962	03/20/23 10:48	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49134	03/21/23 03:51	SMC	EET MID

Client Sample ID: BH- 13 (10.25')

Lab Sample ID: 880-26042-4
Matrix: Solid
Date Collected: 03/15/23 09:15
Date Received: 03/16/23 11:30

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	49091	03/21/23 14:40	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	49077	03/21/23 21:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49227	03/22/23 15:45	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Client Sample ID: BH- 13 (10.25')

Date Collected: 03/15/23 09:15
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26042-4

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			48853	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48780	03/16/23 14:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/17/23 01:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48962	03/20/23 10:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49134	03/21/23 03:55	SMC	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 271

Job ID: 880-26042-1
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: MLMU 271

Job ID: 880-26042-1
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	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26042-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26042-1	BH- 12 (10.25')	Solid	03/15/23 09:00	03/16/23 11:30
880-26042-2	BH- 15 (10.25')	Solid	03/15/23 09:05	03/16/23 11:30
880-26042-3	SW-46 (6-10.25')	Solid	03/15/23 09:10	03/16/23 11:30
880-26042-4	BH- 13 (10.25')	Solid	03/15/23 09:15	03/16/23 11:30

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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

880-26042 Chain of Custody

Page 1 of

26042

(Rev. 1) 3/23/2023

Client Name	JR Oil
Site Manager	Brittany Long
Project Name	MLMU 271
	(432) 741-5813
	Brittany long@tetratech com
Project Location (county, state)	Lea County, NM
Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701
Receiving Laboratory	Eurofins Lab
Sampler Signature	Gabe Huerta
Comments	**Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides.**

ANALYSIS REQUEST
(Circle or Specify Method No.)

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	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-12 (10 25')	3/15/2023	9:00		x				x				x		x												x							X
	BH-15 (10 25')	3/15/2023	9:05		x				x				x		x												x							X
	SW-46 (6-10 25')	3/15/2023	9:10		x				x				x		x												x							X
	BH-13 (10 25')	3/15/2023	9:15		x				x				x		x												x							x

Relinquished by: Gabriel Huerta Date 3-16-23 Time 11:30

Received by: [signature] Date 3/16/23 Time 1130

Relinquished by: Date Time

Received by: Date Time

Relinquished by: Date Time

Received by: Date Time

LAB USE ONLY

Sample Temperature 0.9 | 0.6

MOZ

REMARKS Standard TAT

[X] RUSH Same Day (24 hr) 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY

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Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-26042-1
SDG Number: Lea County, NM

Login Number: 26042
List Number: 1
Creator: Rodriguez, Leticia

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 3/27/2023 10:43:01 AM

JOB DESCRIPTION

JR Oil MLMU 271
SDG NUMBER Lea County NM

JOB NUMBER

890-4350-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 9/21/2023 3:26:25 PM

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
3/27/2023 10:43:01 AM

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 271

Laboratory Job ID: 890-4350-1
SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-4350-1
Project/Site: JR Oil MLMU 271 SDG: Lea County NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
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 271

Job ID: 890-4350-1
SDG: Lea County NM

Job ID: 890-4350-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4350-1

Receipt
The samples were received on 3/17/2023 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

Receipt Exceptions
Analysis for <FRACTION_METHOD> for the following samples were put on hold by the client on <DATE>: SW-64 (890-4350-1), SW-65 (890-4350-2), SW-66 (890-4350-3), SW-67 (890-4350-4) and SW-68 (890-4350-5). This analysis was originally requested on the chain-of-custody (COC).

890-4350
please see comments for explination for holds on samples

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-64 (890-4350-1), SW-65 (890-4350-2), SW-66 (890-4350-3), SW-67 (890-4350-4) and SW-68 (890-4350-5).

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-49383/1-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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

Client Sample ID: SW-64

Lab Sample ID: 890-4350-1
Matrix: Solid
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3190**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**86.9**		49.9		mg/Kg		03/24/23 08:54	03/26/23 02:27	1
Diesel Range Organics (Over C10-C28)	**2830**		49.9		mg/Kg		03/24/23 08:54	03/26/23 02:27	1
OII Range Organics (Over C28-C36)	**274**		49.9		mg/Kg		03/24/23 08:54	03/26/23 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 02:27*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/24/23 08:54*	*03/26/23 02:27*	*1*

Client Sample ID: SW-65

Lab Sample ID: 890-4350-2
Matrix: Solid
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 05:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 05:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:42*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:42*	*1*

Client Sample ID: SW-66

Lab Sample ID: 890-4350-3
Matrix: Solid
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**297**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 02:48	1
Diesel Range Organics (Over C10-C28)	**297**		49.9		mg/Kg		03/24/23 08:54	03/26/23 02:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 02:48*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:54*	*03/26/23 02:48*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

Client Sample ID: SW-67

Lab Sample ID: 890-4350-4
Matrix: Solid
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 01:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 01:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/24/23 08:54*	*03/26/23 01:43*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/24/23 08:54*	*03/26/23 01:43*	*1*

Client Sample ID: SW-68

Lab Sample ID: 890-4350-5
Matrix: Solid
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

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			03/27/23 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 09:41	03/26/23 11:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/24/23 09:41	03/26/23 11:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 09:41	03/26/23 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/24/23 09:41*	*03/26/23 11:20*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/24/23 09:41*	*03/26/23 11:20*	*1*

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-26043-A-23-B MS	Matrix Spike	98	103										
880-26043-A-23-C MSD	Matrix Spike Duplicate	99	103										
890-4350-1	SW-64	90	94										
890-4350-2	SW-65	102	114										
890-4350-3	SW-66	90	100										
890-4350-4	SW-67	97	109										
890-4350-5	SW-68	93	95										
890-4350-5 MS	SW-68	104	97										
LCS 880-49373/2-A	Lab Control Sample	106	123										
LCS 880-49383/2-A	Lab Control Sample	111	119										
LCSD 880-49373/3-A	Lab Control Sample Dup	127	148 S1+										
LCSD 880-49383/3-A	Lab Control Sample Dup	107	115										
MB 880-49373/1-A	Method Blank	102	124										
MB 880-49383/1-A	Method Blank	121	139 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-49373/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49373

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		03/24/23 08:54	03/25/23 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/24/23 08:54*	*03/25/23 20:34*	*1*
o-Terphenyl	*124*		*70 - 130*	*03/24/23 08:54*	*03/25/23 20:34*	*1*

Lab Sample ID: LCS 880-49373/2-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49373

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	891.6		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	870.2		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: LCSD 880-49373/3-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	953.4		mg/Kg		95	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	948.9		mg/Kg		95	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: 880-26043-A-23-B MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49373

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	958.0		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	122		998	1094		mg/Kg		97	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

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

Lab Sample ID: 880-26043-A-23-B MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49373

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-26043-A-23-C MSD
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49373

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	947.3		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	122		999	1253		mg/Kg		113	70 - 130	14	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: MB 880-49383/1-A
Matrix: Solid
Analysis Batch: 49516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49383

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		03/24/23 09:41	03/26/23 08:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 09:41	03/26/23 08:27	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 09:41	03/26/23 08:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/24/23 09:41	03/26/23 08:27	1
o-Terphenyl	139	S1+	70 - 130	03/24/23 09:41	03/26/23 08:27	1

Lab Sample ID: LCS 880-49383/2-A
Matrix: Solid
Analysis Batch: 49516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49383

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	971.5		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	868.0		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	119		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-49383/3-A
Matrix: Solid
Analysis Batch: 49516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49383

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	893.3		mg/Kg		89	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	752.9		mg/Kg		75	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 890-4350-5 MS
Matrix: Solid
Analysis Batch: 49516

Client Sample ID: SW-68
Prep Type: Total/NA
Prep Batch: 49383

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	928.2		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1002		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 49373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4350-1	SW-64	Total/NA	Solid	8015NM Prep	
890-4350-2	SW-65	Total/NA	Solid	8015NM Prep	
890-4350-3	SW-66	Total/NA	Solid	8015NM Prep	
890-4350-4	SW-67	Total/NA	Solid	8015NM Prep	
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-A-23-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26043-A-23-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 49383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4350-5	SW-68	Total/NA	Solid	8015NM Prep	
MB 880-49383/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49383/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4350-5 MS	SW-68	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4350-1	SW-64	Total/NA	Solid	8015B NM	49373
890-4350-2	SW-65	Total/NA	Solid	8015B NM	49373
890-4350-3	SW-66	Total/NA	Solid	8015B NM	49373
890-4350-4	SW-67	Total/NA	Solid	8015B NM	49373
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015B NM	49373
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49373
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49373
880-26043-A-23-B MS	Matrix Spike	Total/NA	Solid	8015B NM	49373
880-26043-A-23-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49373

Analysis Batch: 49516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4350-5	SW-68	Total/NA	Solid	8015B NM	49383
MB 880-49383/1-A	Method Blank	Total/NA	Solid	8015B NM	49383
LCS 880-49383/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49383
LCSD 880-49383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49383
890-4350-5 MS	SW-68	Total/NA	Solid	8015B NM	49383

Analysis Batch: 49614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4350-1	SW-64	Total/NA	Solid	8015 NM	
890-4350-2	SW-65	Total/NA	Solid	8015 NM	
890-4350-3	SW-66	Total/NA	Solid	8015 NM	
890-4350-4	SW-67	Total/NA	Solid	8015 NM	
890-4350-5	SW-68	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

Client Sample ID: SW-64

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4350-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49614	03/27/23 11:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 02:27	AJ	EET MID

Client Sample ID: SW-65

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4350-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49614	03/27/23 11:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 05:42	AJ	EET MID

Client Sample ID: SW-66

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4350-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49614	03/27/23 11:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 02:48	AJ	EET MID

Client Sample ID: SW-67

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4350-4
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			49614	03/27/23 11:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 01:43	AJ	EET MID

Client Sample ID: SW-68

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4350-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49614	03/27/23 11:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49383	03/24/23 09:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49516	03/26/23 11:20	AJ	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 271

Job ID: 890-4350-1
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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

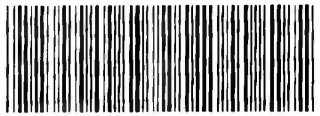
Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4350-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4350-1	SW-64	Solid	03/16/23 00:00	03/17/23 15:26
890-4350-2	SW-65	Solid	03/16/23 00:00	03/17/23 15:26
890-4350-3	SW-66	Solid	03/16/23 00:00	03/17/23 15:26
890-4350-4	SW-67	Solid	03/16/23 00:00	03/17/23 15:26
890-4350-5	SW-68	Solid	03/16/23 00:00	03/17/23 15:26

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Analysis Request of Chain of Custody Record



890-4350 Chain of Custody

Page 1 of 1

3/27/2023

Tetra Tech. Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Jr Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU 271		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02890
Invoice to:	ATTN: Accounts Payable Tetra Tech 901 W Wall Street, Ste 100 Midland,Texas 79701		
Receiving Laboratory:	Eurofins	**Sampler Signature:**	Miguel A. Flores

Comments: Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	BTEX 8260B	Hold
	SW-64	3/16/2023			x			x			x	x													x				x
	SW-65	3/16/2023			x			x			x	x													x				x
	SW-66	3/16/2023			x			x			x	x													x				x
	SW-67	3/16/2023			x			x			x	x													x				x
	SW-68	3/16/2023			X			X			X	X													X				X

Relinquished by:	Miguel A Flores	Date: 3/17/23	Time: 1310
Received by:		Date: 3/17/23	Time: 1310
Relinquished by:		Date:	Time:
Received by:	Amanda Stiff	Date: 3/17/23	Time: 1526
Relinquished by:		Date:	Time:
Received by:		Date:	Time:

LAB USE ONLY

Sample Temperature 29.8 -0.2 TNMED

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

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 880-6566 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-4350-1
Address: 1211 W Florida Ave	Due Date Requested: 3/23/2023			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: MLMU 271	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	8015MOD_Calc	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
SW-64 (890-4350-1)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-65 (890-4350-2)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-66 (890-4350-3)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-67 (890-4350-4)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-68 (890-4350-5)	3/16/23	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 our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification Unconfirmed	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ 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

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Received by OCD: 6/29/2023 9:25:08 AM
3/27/2023
Page 18 of 20
Released to Imaging: 9/21/2023 3:26:25 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-4350-1
SDG Number: Lea County NM

Login Number: 4350
List Number: 1
Creator: Stutzman, Amanda

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: 890-4350-1
SDG Number: Lea County NM

Login Number: 4350
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 03/21/23 11:22 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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/27/2023 4:41:06 PM Revision 1

JOB DESCRIPTION

JR Oil MLMU 271
SDG NUMBER Lea County NM

JOB NUMBER

890-4351-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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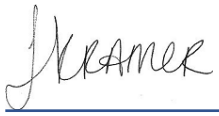
my EOL

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
3/27/2023 4:41:06 PM
Revision 1

Authorized for release by
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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
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 271

Job ID: 890-4351-1
SDG: Lea County NM

Job ID: 890-4351-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4351-1

REVISION

The report being provided is a revision of the original report sent on 3/24/2023. The report (revision 1) is being revised due to Per client email, added BTEX and Chloride.

Report revision history

Receipt
The samples were received on 3/17/2023 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

Receipt Exceptions
Analysis for <FRACTION_METHOD> for the following samples were put on hold by the client on <DATE>: SW-62 (890-4351-1), SW-63 (890-4351-2), SW-69 (890-4351-3), SW-70 (890-4351-4) and SW-71 (890-4351-5). This analysis was originally requested on the chain-of-custody (COC).

890-4351
please see comments for explanation of Holds

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-62 (890-4351-1), SW-63 (890-4351-2), SW-69 (890-4351-3), SW-70 (890-4351-4) and SW-71 (890-4351-5).

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: The surrogate recovery for the blank associated with preparation batch 880-49012 and analytical batch 880-49067 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-49012 and analytical batch 880-49067 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-62

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0503	U	0.0503		mg/Kg		03/24/23 10:32	03/27/23 13:52	25
Toluene	<0.0503	U	0.0503		mg/Kg		03/24/23 10:32	03/27/23 13:52	25
Ethylbenzene	<0.0503	U	0.0503		mg/Kg		03/24/23 10:32	03/27/23 13:52	25
m-Xylene & p-Xylene	<0.101	U	0.101		mg/Kg		03/24/23 10:32	03/27/23 13:52	25
o-Xylene	<0.0503	U	0.0503		mg/Kg		03/24/23 10:32	03/27/23 13:52	25
Xylenes, Total	<0.101	U	0.101		mg/Kg		03/24/23 10:32	03/27/23 13:52	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:52*	*25*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:52*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.101	U	0.101		mg/Kg			03/27/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/23 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/23 09:05	03/21/23 12:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/23 09:05	03/21/23 12:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/23 09:05	03/21/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/21/23 09:05*	*03/21/23 12:34*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/21/23 09:05*	*03/21/23 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		25.1		mg/Kg			03/21/23 22:22	5

Client Sample ID: SW-63

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		03/24/23 10:32	03/27/23 14:13	50
Toluene	**0.413**		0.101		mg/Kg		03/24/23 10:32	03/27/23 14:13	50
Ethylbenzene	**2.38**		0.101		mg/Kg		03/24/23 10:32	03/27/23 14:13	50
m-Xylene & p-Xylene	**5.79**		0.202		mg/Kg		03/24/23 10:32	03/27/23 14:13	50
o-Xylene	**2.97**		0.101		mg/Kg		03/24/23 10:32	03/27/23 14:13	50
Xylenes, Total	**8.76**		0.202		mg/Kg		03/24/23 10:32	03/27/23 14:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*03/24/23 10:32*	*03/27/23 14:13*	*50*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/24/23 10:32*	*03/27/23 14:13*	*50*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-63

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**11.6**		0.202		mg/Kg			03/27/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**863**		49.9		mg/Kg			03/23/23 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**127**		49.9		mg/Kg		03/21/23 09:05	03/21/23 13:40	1
Diesel Range Organics (Over C10-C28)	**736**		49.9		mg/Kg		03/21/23 09:05	03/21/23 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 09:05	03/21/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/21/23 09:05*	*03/21/23 13:40*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/21/23 09:05*	*03/21/23 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2750**		25.3		mg/Kg			03/22/23 15:33	5

Client Sample ID: SW-69

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-3

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		03/24/23 10:32	03/27/23 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 10:32	03/27/23 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 10:32	03/27/23 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 10:32	03/27/23 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 10:32	03/27/23 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 10:32	03/27/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/24/23 10:32*	*03/27/23 12:50*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/24/23 10:32*	*03/27/23 12:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/27/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/23/23 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/21/23 09:05	03/21/23 12:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/23 09:05	03/21/23 12:56	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-69

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 09:05	03/21/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/21/23 09:05*	*03/21/23 12:56*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/21/23 09:05*	*03/21/23 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**788**		4.98		mg/Kg			03/21/23 22:41	1

Client Sample ID: SW-70

Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-4
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		03/24/23 10:32	03/27/23 13:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/24/23 10:32	03/27/23 13:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/24/23 10:32	03/27/23 13:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/24/23 10:32	03/27/23 13:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/24/23 10:32	03/27/23 13:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/24/23 10:32	03/27/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/27/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/23/23 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/21/23 09:05	03/21/23 13:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/21/23 09:05	03/21/23 13:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/21/23 09:05	03/21/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/21/23 09:05*	*03/21/23 13:18*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/21/23 09:05*	*03/21/23 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2440**		24.8		mg/Kg			03/21/23 22:46	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-71
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-5
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		03/24/23 10:32	03/27/23 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 13:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 13:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/23 10:32	03/27/23 13:31	1
o-Xylene	**0.00209**		0.00200		mg/Kg		03/24/23 10:32	03/27/23 13:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/23 10:32	03/27/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/24/23 10:32*	*03/27/23 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/27/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**418**		50.0		mg/Kg			03/23/23 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/21/23 09:05	03/21/23 14:01	1
Diesel Range Organics (Over C10-C28)	**418**		50.0		mg/Kg		03/21/23 09:05	03/21/23 14:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/23 09:05	03/21/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/21/23 09:05*	*03/21/23 14:01*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/21/23 09:05*	*03/21/23 14:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**984**		25.0		mg/Kg			03/21/23 22:51	5

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-25959-A-1-D MS	Matrix Spike	108	89
880-25959-A-1-E MSD	Matrix Spike Duplicate	103	92
890-4351-1	SW-62	127	107
890-4351-2	SW-63	130	91
890-4351-3	SW-69	108	97
890-4351-4	SW-70	113	114
890-4351-5	SW-71	120	97
LCS 880-49395/1-A	Lab Control Sample	112	97
LCSD 880-49395/2-A	Lab Control Sample Dup	104	91
MB 880-49395/5-A	Method Blank	98	80

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4320-A-1-B MS	Matrix Spike	118	96
890-4320-A-1-C MSD	Matrix Spike Duplicate	87	84
890-4351-1	SW-62	89	94
890-4351-2	SW-63	90	94
890-4351-3	SW-69	89	91
890-4351-4	SW-70	86	91
890-4351-5	SW-71	84	88
LCS 880-49012/2-A	Lab Control Sample	90	99
LCSD 880-49012/3-A	Lab Control Sample Dup	101	112
MB 880-49012/1-A	Method Blank	128	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49395/5-A
Matrix: Solid
Analysis Batch: 49565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/24/23 10:32*	*03/27/23 11:05*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/24/23 10:32*	*03/27/23 11:05*	*1*

Lab Sample ID: LCS 880-49395/1-A
Matrix: Solid
Analysis Batch: 49565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09176		mg/Kg		92	70 - 130		
Toluene			0.100	0.09833		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.09729		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2024		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.1015		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-49395/2-A
Matrix: Solid
Analysis Batch: 49565

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08376		mg/Kg		84	70 - 130	9	35
Toluene			0.100	0.09163		mg/Kg		92	70 - 130	7	35
Ethylbenzene			0.100	0.08997		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1879		mg/Kg		94	70 - 130	7	35
o-Xylene			0.100	0.09436		mg/Kg		94	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-25959-A-1-D MS
Matrix: Solid
Analysis Batch: 49565

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0998	0.08772		mg/Kg		88	70 - 130		
Toluene	<0.00199	U	0.0998	0.09353		mg/Kg		94	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

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

Lab Sample ID: 880-25959-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49565 — **Prep Batch: 49395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.08929		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1887		mg/Kg		95	70 - 130
o-Xylene	<0.00199	U	0.0998	0.09274		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-25959-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49565 — **Prep Batch: 49395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09134		mg/Kg		91	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.09599		mg/Kg		96	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.09204		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1852		mg/Kg		92	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.09141		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-49012/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49067 — **Prep Batch: 49012**

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		03/20/23 13:48	03/21/23 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/20/23 13:48	03/21/23 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/20/23 13:48	03/21/23 08:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*03/20/23 13:48*	*03/21/23 08:28*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*03/20/23 13:48*	*03/21/23 08:28*	*1*

Lab Sample ID: LCS 880-49012/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49067 — **Prep Batch: 49012**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	857.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	846.3		mg/Kg		85	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-49012/2-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49012

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-49012/3-A
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49012

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.2		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	962.9		mg/Kg		96	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 890-4320-A-1-B MS
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	966.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	943.6		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-4320-A-1-C MSD
Matrix: Solid
Analysis Batch: 49067

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	942.1		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	832.9		mg/Kg		80	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49104/1-A
Matrix: Solid
Analysis Batch: 49191

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			03/21/23 22:08	1

Lab Sample ID: LCS 880-49104/2-A
Matrix: Solid
Analysis Batch: 49191

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.5		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-49104/3-A
Matrix: Solid
Analysis Batch: 49191

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	248.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-4351-1 MS
Matrix: Solid
Analysis Batch: 49191

Client Sample ID: SW-62
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1010		1260	2398		mg/Kg		110	90 - 110		

Lab Sample ID: 890-4351-1 MSD
Matrix: Solid
Analysis Batch: 49191

Client Sample ID: SW-62
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1010		1260	2397		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

GC VOA

Prep Batch: 49395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	5035	
890-4351-2	SW-63	Total/NA	Solid	5035	
890-4351-3	SW-69	Total/NA	Solid	5035	
890-4351-4	SW-70	Total/NA	Solid	5035	
890-4351-5	SW-71	Total/NA	Solid	5035	
MB 880-49395/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49395/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49395/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25959-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-25959-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	8021B	49395
890-4351-2	SW-63	Total/NA	Solid	8021B	49395
890-4351-3	SW-69	Total/NA	Solid	8021B	49395
890-4351-4	SW-70	Total/NA	Solid	8021B	49395
890-4351-5	SW-71	Total/NA	Solid	8021B	49395
MB 880-49395/5-A	Method Blank	Total/NA	Solid	8021B	49395
LCS 880-49395/1-A	Lab Control Sample	Total/NA	Solid	8021B	49395
LCSD 880-49395/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49395
880-25959-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	49395
880-25959-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49395

Analysis Batch: 49661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	Total BTEX	
890-4351-2	SW-63	Total/NA	Solid	Total BTEX	
890-4351-3	SW-69	Total/NA	Solid	Total BTEX	
890-4351-4	SW-70	Total/NA	Solid	Total BTEX	
890-4351-5	SW-71	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 49012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	8015NM Prep	
890-4351-2	SW-63	Total/NA	Solid	8015NM Prep	
890-4351-3	SW-69	Total/NA	Solid	8015NM Prep	
890-4351-4	SW-70	Total/NA	Solid	8015NM Prep	
890-4351-5	SW-71	Total/NA	Solid	8015NM Prep	
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4320-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	8015B NM	49012
890-4351-2	SW-63	Total/NA	Solid	8015B NM	49012

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 49067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-3	SW-69	Total/NA	Solid	8015B NM	49012
890-4351-4	SW-70	Total/NA	Solid	8015B NM	49012
890-4351-5	SW-71	Total/NA	Solid	8015B NM	49012
MB 880-49012/1-A	Method Blank	Total/NA	Solid	8015B NM	49012
LCS 880-49012/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49012
LCSD 880-49012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49012
890-4320-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	49012
890-4320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49012

Analysis Batch: 49347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Total/NA	Solid	8015 NM	
890-4351-2	SW-63	Total/NA	Solid	8015 NM	
890-4351-3	SW-69	Total/NA	Solid	8015 NM	
890-4351-4	SW-70	Total/NA	Solid	8015 NM	
890-4351-5	SW-71	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 49104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Soluble	Solid	DI Leach	
890-4351-2	SW-63	Soluble	Solid	DI Leach	
890-4351-3	SW-69	Soluble	Solid	DI Leach	
890-4351-4	SW-70	Soluble	Solid	DI Leach	
890-4351-5	SW-71	Soluble	Solid	DI Leach	
MB 880-49104/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49104/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49104/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4351-1 MS	SW-62	Soluble	Solid	DI Leach	
890-4351-1 MSD	SW-62	Soluble	Solid	DI Leach	

Analysis Batch: 49191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4351-1	SW-62	Soluble	Solid	300.0	49104
890-4351-2	SW-63	Soluble	Solid	300.0	49104
890-4351-3	SW-69	Soluble	Solid	300.0	49104
890-4351-4	SW-70	Soluble	Solid	300.0	49104
890-4351-5	SW-71	Soluble	Solid	300.0	49104
MB 880-49104/1-A	Method Blank	Soluble	Solid	300.0	49104
LCS 880-49104/2-A	Lab Control Sample	Soluble	Solid	300.0	49104
LCSD 880-49104/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49104
890-4351-1 MS	SW-62	Soluble	Solid	300.0	49104
890-4351-1 MSD	SW-62	Soluble	Solid	300.0	49104

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-62
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49395	03/24/23 10:32	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	49565	03/27/23 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49661	03/27/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49347	03/23/23 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49104	03/21/23 16:26	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49191	03/21/23 22:22	SMC	EET MID

Client Sample ID: SW-63
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-2
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			4.95 g	5 mL	49395	03/24/23 10:32	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	49565	03/27/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49661	03/27/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49347	03/23/23 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49104	03/21/23 16:26	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49191	03/22/23 15:33	SMC	EET MID

Client Sample ID: SW-69
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49395	03/24/23 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49661	03/27/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49347	03/23/23 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49104	03/21/23 16:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49191	03/21/23 22:41	SMC	EET MID

Client Sample ID: SW-70
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-4
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			5.05 g	5 mL	49395	03/24/23 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49661	03/27/23 16:30	AJ	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Client Sample ID: SW-70
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-4
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			49347	03/23/23 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49104	03/21/23 16:26	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49191	03/21/23 22:46	SMC	EET MID

Client Sample ID: SW-71
Date Collected: 03/16/23 00:00
Date Received: 03/17/23 15:26

Lab Sample ID: 890-4351-5
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	49395	03/24/23 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49661	03/27/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49347	03/23/23 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49012	03/21/23 09:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49067	03/21/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49104	03/21/23 16:26	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49191	03/21/23 22:51	SMC	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 271

Job ID: 890-4351-1
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 271

Job ID: 890-4351-1
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	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil MLMU 271

Job ID: 890-4351-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4351-1	SW-62	Solid	03/16/23 00:00	03/17/23 15:26
890-4351-2	SW-63	Solid	03/16/23 00:00	03/17/23 15:26
890-4351-3	SW-69	Solid	03/16/23 00:00	03/17/23 15:26
890-4351-4	SW-70	Solid	03/16/23 00:00	03/17/23 15:26
890-4351-5	SW-71	Solid	03/16/23 00:00	03/17/23 15:26

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Analysis Request of Chain of Custody Record



Page 1 of 1

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Jr Oil	Site Manager: Brittany Long
Project Name: MLMU 271	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02890
Invoice to: ATTN: Accounts Payable Tetra Tech 901 W Wall Street, Ste 100 Midland,Texas 79701	
Receiving Laboratory: Eurofins	Sampler Signature: Miguel A. Flores

Comments: Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.

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	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-62	3/16/2023			x				x					x	X													X							x
	SW-63	3/16/2023			x				x					x	x													x							x
	SW-69	3/16/2023			x				x					x	x													x							x
	SW-70	3/16/2023			x				x					x	x													x							x
	SW-71	3/16/2023			X				X					X	X													X							X

Relinquished by: Miguel A Flores	Date: 3/19/23	Time: 1312	Received by: [signature]
Relinquished by:	Date:	Time:	Received by: Amanda Stof
Relinquished by:	Date:	Time:	Received by:

Date: 3/17/23 Time: 1312
Date: 3/17/23 Time: 1526
Date: Time:

LAB USE ONLY
Sample Temperature 20/1.8 -0.2 TNM 007

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-6566 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-4351-1
Address: 1211 W Florida Ave	Due Date Requested: 3/21/2023			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: MLMU 271	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	8015MOD_Calc	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
SW-62 (890-4351-1)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-63 (890-4351-2)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-69 (890-4351-3)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-70 (890-4351-4)	3/16/23	Mountain		Solid			X	X	X	X	X	1	
SW-71 (890-4351-5)	3/16/23	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 our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time.	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-6566 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-4366-1
Address: 1211 W Florida Ave	Due Date Requested: 3/24/2023			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: MCA145 MAVERICK	Project #: 89000094			
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	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/6035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
SW18 (890-4366-10)	3/20/23	11 00 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 our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *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

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-4351-1
SDG Number: Lea County NM

Login Number: 4351
List Number: 1
Creator: Stutzman, Amanda

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: 890-4351-1
SDG Number: Lea County NM

Login Number: 4351
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 03/21/23 11:22 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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/28/2023 12:23:12 PM

JOB DESCRIPTION

MLMU 271
SDG NUMBER Lea County, NM

JOB NUMBER

880-26043-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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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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3/28/2023 12:23:12 PM

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

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Laboratory Job ID: 880-26043-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-26043-1
Project/Site: MLMU 271 SDG: Lea County, NM

Qualifiers

GC Semi VOA

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

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: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Job ID: 880-26043-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26043-1

Receipt
The samples were received on 3/16/2023 11:30 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-19 (5'-6') (880-26043-1), BH-20 (5'-6') (880-26043-2), BH-23 (5'-6') (880-26043-3), BH-25 (7') (880-26043-4), BH-26 (6') (880-26043-5), BH-64 (7') (880-26043-6), BH-67 (5'-6') (880-26043-7), BH-68 (5'-6') (880-26043-8), BH-73 (7') (880-26043-9), BH-76 (3.5') (880-26043-10), BH-79 (7') (880-26043-11), BH-84 (7') (880-26043-12), SW-5 (880-26043-13), SW-6 (880-26043-14), SW-15 (880-26043-15), SW-17 (880-26043-16), SW-21 (880-26043-17), SW-23 (880-26043-18), SW-24 (880-26043-19), SW-26 (880-26043-20), SW-27 (880-26043-21), SW-32 (880-26043-22), SW-39 (880-26043-23), SW-42 (880-26043-24), SW-43 (880-26043-25), SW-44 (880-26043-26), SW-45 (880-26043-27), SW-47 (880-26043-28), SW-51 (880-26043-29), SW-53 (880-26043-30), SW-57 (880-26043-31), SW-59 (880-26043-32) and SW-60 (880-26043-33).

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-49281/31) and (LCS 880-49332/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-49374 and analytical batch 880-49475 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-26043-A-3-F MS) and (880-26043-A-3-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-19 (5'-6')

Lab Sample ID: 880-26043-1
Matrix: Solid
Date Collected: 03/15/23 09:30
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/24/23 08:56*	*03/25/23 11:38*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/24/23 08:56*	*03/25/23 11:38*	*1*

Client Sample ID: BH-20 (5'-6')

Lab Sample ID: 880-26043-2
Matrix: Solid
Date Collected: 03/15/23 09:35
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/24/23 08:56*	*03/25/23 12:44*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/24/23 08:56*	*03/25/23 12:44*	*1*

Client Sample ID: BH-23 (5'-6')

Lab Sample ID: 880-26043-3
Matrix: Solid
Date Collected: 03/15/23 09:40
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**117**		49.9		mg/Kg			03/28/23 10:42	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		03/24/23 09:44	03/27/23 11:29	1
Diesel Range Organics (Over C10-C28)	**117**		49.9		mg/Kg		03/24/23 09:44	03/27/23 11:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 09:44	03/27/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*03/24/23 09:44*	*03/27/23 11:29*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/24/23 09:44*	*03/27/23 11:29*	*1*

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-25 (7')

Lab Sample ID: 880-26043-4
Matrix: Solid
Date Collected: 03/15/23 09:45
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.0**		50.0		mg/Kg			03/28/23 10:42	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		03/24/23 09:44	03/27/23 12:33	1
Diesel Range Organics (Over C10-C28)	**69.0**		50.0		mg/Kg		03/24/23 09:44	03/27/23 12:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/24/23 09:44*	*03/27/23 12:33*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/24/23 09:44*	*03/27/23 12:33*	*1*

Client Sample ID: BH-26 (6')

Lab Sample ID: 880-26043-5
Matrix: Solid
Date Collected: 03/15/23 09:50
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:06*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:06*	*1*

Client Sample ID: BH-64 (7')

Lab Sample ID: 880-26043-6
Matrix: Solid
Date Collected: 03/15/23 10:00
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:28*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:28*	*1*

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-67 (5'-6')

Lab Sample ID: 880-26043-7
Matrix: Solid
Date Collected: 03/15/23 10:10
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:50*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:50*	*1*

Client Sample ID: BH-68 (5'-6')

Lab Sample ID: 880-26043-8
Matrix: Solid
Date Collected: 03/15/23 10:15
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.6**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1
Diesel Range Organics (Over C10-C28)	**87.6**	***+**	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:12*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:12*	*1*

Client Sample ID: BH-73 (7')

Lab Sample ID: 880-26043-9
Matrix: Solid
Date Collected: 03/15/23 10:20
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:35*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:35*	*1*

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-76 (3.5')

Lab Sample ID: 880-26043-10
Matrix: Solid
Date Collected: 03/15/23 10:25
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:57*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:57*	*1*

Client Sample ID: BH-79 (7')

Lab Sample ID: 880-26043-11
Matrix: Solid
Date Collected: 03/15/23 10:30
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1370**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1
Diesel Range Organics (Over C10-C28)	**1260**	***+**	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1
OII Range Organics (Over C28-C36)	**110**		49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:19*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:19*	*1*

Client Sample ID: BH-84 (7')

Lab Sample ID: 880-26043-12
Matrix: Solid
Date Collected: 03/15/23 10:35
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:42*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-5

Lab Sample ID: 880-26043-13
Matrix: Solid
Date Collected: 03/15/23 10:40
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:28*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:28*	*1*

Client Sample ID: SW-6

Lab Sample ID: 880-26043-14
Matrix: Solid
Date Collected: 03/15/23 10:45
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:50*	*1*
o-Terphenyl	*82*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:50*	*1*

Client Sample ID: SW-15

Lab Sample ID: 880-26043-15
Matrix: Solid
Date Collected: 03/15/23 10:55
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:13*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:13*	*1*

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-17

Lab Sample ID: 880-26043-16
Matrix: Solid
Date Collected: 03/15/23 11:00
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:35*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:35*	*1*

Client Sample ID: SW-21

Lab Sample ID: 880-26043-17
Matrix: Solid
Date Collected: 03/15/23 11:10
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:58*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:58*	*1*

Client Sample ID: SW-23

Lab Sample ID: 880-26043-18
Matrix: Solid
Date Collected: 03/15/23 11:20
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**169**		49.8		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1
Diesel Range Organics (Over C10-C28)	**169**	***+**	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:20*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-24

Lab Sample ID: 880-26043-19
Matrix: Solid
Date Collected: 03/15/23 11:25
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:42*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:42*	*1*

Client Sample ID: SW-26

Lab Sample ID: 880-26043-20
Matrix: Solid
Date Collected: 03/15/23 11:30
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:04*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:04*	*1*

Client Sample ID: SW-27

Lab Sample ID: 880-26043-21
Matrix: Solid
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:27*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:27*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-32

Lab Sample ID: 880-26043-22
Matrix: Solid
Date Collected: 03/15/23 11:50
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:49*	*1*

Client Sample ID: SW-39

Lab Sample ID: 880-26043-23
Matrix: Solid
Date Collected: 03/15/23 13:00
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**122**		49.9		mg/Kg			03/26/23 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1
Diesel Range Organics (Over C10-C28)	**122**		49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/24/23 08:54*	*03/25/23 21:42*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/24/23 08:54*	*03/25/23 21:42*	*1*

Client Sample ID: SW-42

Lab Sample ID: 880-26043-24
Matrix: Solid
Date Collected: 03/15/23 13:10
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**237**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1
Diesel Range Organics (Over C10-C28)	**237**		50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:36*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:36*	*1*

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-43

Date Collected: 03/15/23 13:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5260		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1
Diesel Range Organics (Over C10-C28)	4740		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1
Oil Range Organics (Over C28-C36)	516		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:10*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:10*	*1*

Client Sample ID: SW-44

Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3180		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1
Diesel Range Organics (Over C10-C28)	2880		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1
Oil Range Organics (Over C28-C36)	302		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:32*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:32*	*1*

Client Sample ID: SW-45

Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.4		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1
Diesel Range Organics (Over C10-C28)	76.4		49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:58*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-45

Lab Sample ID: 880-26043-27
Matrix: Solid
Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*104*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:58*	*1*

Client Sample ID: SW-47

Lab Sample ID: 880-26043-28
Matrix: Solid
Date Collected: 03/15/23 13:50
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3370**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1
Diesel Range Organics (Over C10-C28)	**3030**		50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1
Oll Range Organics (Over C28-C36)	**339**		50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*101*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:53*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:53*	*1*

Client Sample ID: SW-51

Lab Sample ID: 880-26043-29
Matrix: Solid
Date Collected: 03/15/23 14:00
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**139**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1
Diesel Range Organics (Over C10-C28)	**139**		50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*88*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:20*	*1*

Client Sample ID: SW-53

Lab Sample ID: 880-26043-30
Matrix: Solid
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**311**		49.9		mg/Kg			03/27/23 11:12	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-53

Lab Sample ID: 880-26043-30
Matrix: Solid
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

Method: SW846 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		03/24/23 08:54	03/26/23 04:15	1
Diesel Range Organics (Over C10-C28)	**311**		49.9		mg/Kg		03/24/23 08:54	03/26/23 04:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:15*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:15*	*1*

Client Sample ID: SW-57

Lab Sample ID: 880-26043-31
Matrix: Solid
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**131**		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1
Diesel Range Organics (Over C10-C28)	**131**		49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:28*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:28*	*1*

Client Sample ID: SW-59

Lab Sample ID: 880-26043-32
Matrix: Solid
Date Collected: 03/15/23 14:30
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3550**		50.0		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1
Diesel Range Organics (Over C10-C28)	**3170**		50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1
OII Range Organics (Over C28-C36)	**381**		50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:49*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:49*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-60

Date Collected: 03/15/23 14:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-33

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.2**		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1
Diesel Range Organics (Over C10-C28)	**59.2**		49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/23/23 14:12*	*03/24/23 05:11*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/23/23 14:12*	*03/24/23 05:11*	*1*

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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)										
880-26041-A-14-C MS	Matrix Spike	110	109										
880-26041-A-14-D MSD	Matrix Spike Duplicate	95	94										
880-26043-1	BH-19 (5'-6')	94	110										
880-26043-1 MS	BH-19 (5'-6')	93	96										
880-26043-1 MSD	BH-19 (5'-6')	94	97										
880-26043-2	BH-20 (5'-6')	99	114										
880-26043-3	BH-23 (5'-6')	123	120										
880-26043-3 MS	BH-23 (5'-6')	136 S1+	116										
880-26043-3 MSD	BH-23 (5'-6')	133 S1+	113										
880-26043-4	BH-25 (7')	101	95										
880-26043-5	BH-26 (6')	86	100										
880-26043-6	BH-64 (7')	83	98										
880-26043-7	BH-67 (5'-6')	83	95										
880-26043-8	BH-68 (5'-6')	88	100										
880-26043-9	BH-73 (7')	81	93										
880-26043-10	BH-76 (3.5')	89	100										
880-26043-11	BH-79 (7')	85	92										
880-26043-12	BH-84 (7')	84	97										
880-26043-13	SW-5	77	85										
880-26043-14	SW-6	74	82										
880-26043-15	SW-15	77	85										
880-26043-16	SW-17	75	83										
880-26043-17	SW-21	80	89										
880-26043-18	SW-23	81	90										
880-26043-19	SW-24	75	83										
880-26043-20	SW-26	85	92										
880-26043-21	SW-27	86	92										
880-26043-22	SW-32	80	90										
880-26043-23	SW-39	93	107										
880-26043-23 MS	SW-39	98	103										
880-26043-23 MSD	SW-39	99	103										
880-26043-24	SW-42	81	90										
880-26043-25	SW-43	99	108										
880-26043-26	SW-44	90	98										
880-26043-27	SW-45	96	104										
880-26043-28	SW-47	101	109										
880-26043-29	SW-51	88	101										
880-26043-30	SW-53	96	106										
880-26043-31	SW-57	87	94										
880-26043-32	SW-59	101	108										
880-26043-33	SW-60	85	91										
LCS 880-49332/2-A	Lab Control Sample	116	136 S1+										
LCS 880-49373/2-A	Lab Control Sample	106	123										
LCS 880-49374/2-A	Lab Control Sample	104	119										
LCS 880-49384/2-A	Lab Control Sample	117	107										
LCSD 880-49332/3-A	Lab Control Sample Dup	104	123										
LCSD 880-49373/3-A	Lab Control Sample Dup	127	148 S1+										
LCSD 880-49374/3-A	Lab Control Sample Dup	120	138 S1+										
LCSD 880-49384/3-A	Lab Control Sample Dup	118	107										

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-26043-1
Project/Site: MLMU 271 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)								
MB 880-49332/1-A	Method Blank	96	109								
MB 880-49373/1-A	Method Blank	102	124								
MB 880-49374/1-A	Method Blank	119	144 S1+								
MB 880-49384/1-A	Method Blank	106	106								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-49332/1-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49332

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		03/23/23 14:12	03/23/23 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/23/23 14:12*	*03/23/23 20:11*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/23/23 14:12*	*03/23/23 20:11*	*1*

Lab Sample ID: LCS 880-49332/2-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49332

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.3		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	922.5		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-49332/3-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49332

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	893.0		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	829.8		mg/Kg		83	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 880-26041-A-14-C MS
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49332

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	1160		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1221		mg/Kg		122	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: 880-26041-A-14-C MS
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49332

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-26041-A-14-D MSD
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	958.3		mg/Kg		94	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1071		mg/Kg		107	70 - 130	13	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: MB 880-49373/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49373

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		03/24/23 08:54	03/25/23 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/24/23 08:54	03/25/23 20:34	1
o-Terphenyl	124		70 - 130	03/24/23 08:54	03/25/23 20:34	1

Lab Sample ID: LCS 880-49373/2-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	891.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	870.2		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	123		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-49373/3-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	953.4		mg/Kg		95	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	948.9		mg/Kg		95	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: 880-26043-23 MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: SW-39
Prep Type: Total/NA
Prep Batch: 49373

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	958.0		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	122		998	1094		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-26043-23 MSD
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: SW-39
Prep Type: Total/NA
Prep Batch: 49373

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	947.3		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	122		999	1253		mg/Kg		113	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: MB 880-49374/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49374

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		03/24/23 08:56	03/25/23 08:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 08:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 08:46	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-49374/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49374

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/24/23 08:56	03/25/23 08:46	1
o-Terphenyl	144	S1+	70 - 130	03/24/23 08:56	03/25/23 08:46	1

Lab Sample ID: LCS 880-49374/2-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1143		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1414	*+	mg/Kg		141	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-49374/3-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	960.3		mg/Kg		96	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1447	*+	mg/Kg		145	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 880-26043-1 MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: BH-19 (5'-6')
Prep Type: Total/NA
Prep Batch: 49374

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	930.6		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	998	1053		mg/Kg		103	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: 880-26043-1 MSD — **Client Sample ID: BH-19 (5'-6')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49475 — **Prep Batch: 49374**

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	959.9		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	1051		mg/Kg		103	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: MB 880-49384/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49562 — **Prep Batch: 49384**

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		03/24/23 09:44	03/27/23 08:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 08:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/24/23 09:44*	*03/27/23 08:47*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/24/23 09:44*	*03/27/23 08:47*	*1*

Lab Sample ID: LCS 880-49384/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49562 — **Prep Batch: 49384**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1113		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1028		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-49384/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 49562 — **Prep Batch: 49384**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	969.4		mg/Kg		97	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	996.4		mg/Kg		100	70 - 130	3	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-49384/3-A
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49384

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-26043-3 MS
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: BH-23 (5'-6')
Prep Type: Total/NA
Prep Batch: 49384

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	883.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	117		998	888.4		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 880-26043-3 MSD
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: BH-23 (5'-6')
Prep Type: Total/NA
Prep Batch: 49384

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	878.2		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	117		999	874.9		mg/Kg		76	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	113		70 - 130

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 49281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-31	SW-57	Total/NA	Solid	8015B NM	49332
880-26043-32	SW-59	Total/NA	Solid	8015B NM	49332
880-26043-33	SW-60	Total/NA	Solid	8015B NM	49332
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015B NM	49332
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49332
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49332
880-26041-A-14-C MS	Matrix Spike	Total/NA	Solid	8015B NM	49332
880-26041-A-14-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49332

Prep Batch: 49332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-31	SW-57	Total/NA	Solid	8015NM Prep	
880-26043-32	SW-59	Total/NA	Solid	8015NM Prep	
880-26043-33	SW-60	Total/NA	Solid	8015NM Prep	
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26041-A-14-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26041-A-14-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 49373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-23	SW-39	Total/NA	Solid	8015NM Prep	
880-26043-24	SW-42	Total/NA	Solid	8015NM Prep	
880-26043-25	SW-43	Total/NA	Solid	8015NM Prep	
880-26043-26	SW-44	Total/NA	Solid	8015NM Prep	
880-26043-27	SW-45	Total/NA	Solid	8015NM Prep	
880-26043-28	SW-47	Total/NA	Solid	8015NM Prep	
880-26043-29	SW-51	Total/NA	Solid	8015NM Prep	
880-26043-30	SW-53	Total/NA	Solid	8015NM Prep	
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-23 MS	SW-39	Total/NA	Solid	8015NM Prep	
880-26043-23 MSD	SW-39	Total/NA	Solid	8015NM Prep	

Prep Batch: 49374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-5	BH-26 (6')	Total/NA	Solid	8015NM Prep	
880-26043-6	BH-64 (7')	Total/NA	Solid	8015NM Prep	
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-9	BH-73 (7')	Total/NA	Solid	8015NM Prep	
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015NM Prep	
880-26043-11	BH-79 (7')	Total/NA	Solid	8015NM Prep	
880-26043-12	BH-84 (7')	Total/NA	Solid	8015NM Prep	
880-26043-13	SW-5	Total/NA	Solid	8015NM Prep	
880-26043-14	SW-6	Total/NA	Solid	8015NM Prep	
880-26043-15	SW-15	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 49374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-16	SW-17	Total/NA	Solid	8015NM Prep	
880-26043-17	SW-21	Total/NA	Solid	8015NM Prep	
880-26043-18	SW-23	Total/NA	Solid	8015NM Prep	
880-26043-19	SW-24	Total/NA	Solid	8015NM Prep	
880-26043-20	SW-26	Total/NA	Solid	8015NM Prep	
880-26043-21	SW-27	Total/NA	Solid	8015NM Prep	
880-26043-22	SW-32	Total/NA	Solid	8015NM Prep	
MB 880-49374/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49374/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49374/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-1 MS	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-1 MSD	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	

Prep Batch: 49384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-4	BH-25 (7')	Total/NA	Solid	8015NM Prep	
MB 880-49384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-3 MS	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-3 MSD	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-4	BH-25 (7')	Total/NA	Solid	8015 NM	
880-26043-5	BH-26 (6')	Total/NA	Solid	8015 NM	
880-26043-6	BH-64 (7')	Total/NA	Solid	8015 NM	
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-9	BH-73 (7')	Total/NA	Solid	8015 NM	
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015 NM	
880-26043-11	BH-79 (7')	Total/NA	Solid	8015 NM	
880-26043-12	BH-84 (7')	Total/NA	Solid	8015 NM	
880-26043-13	SW-5	Total/NA	Solid	8015 NM	
880-26043-14	SW-6	Total/NA	Solid	8015 NM	
880-26043-15	SW-15	Total/NA	Solid	8015 NM	
880-26043-16	SW-17	Total/NA	Solid	8015 NM	
880-26043-17	SW-21	Total/NA	Solid	8015 NM	
880-26043-18	SW-23	Total/NA	Solid	8015 NM	
880-26043-19	SW-24	Total/NA	Solid	8015 NM	
880-26043-20	SW-26	Total/NA	Solid	8015 NM	
880-26043-21	SW-27	Total/NA	Solid	8015 NM	
880-26043-22	SW-32	Total/NA	Solid	8015 NM	
880-26043-23	SW-39	Total/NA	Solid	8015 NM	
880-26043-24	SW-42	Total/NA	Solid	8015 NM	
880-26043-25	SW-43	Total/NA	Solid	8015 NM	
880-26043-26	SW-44	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 49421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-27	SW-45	Total/NA	Solid	8015 NM	
880-26043-28	SW-47	Total/NA	Solid	8015 NM	
880-26043-29	SW-51	Total/NA	Solid	8015 NM	
880-26043-30	SW-53	Total/NA	Solid	8015 NM	
880-26043-31	SW-57	Total/NA	Solid	8015 NM	
880-26043-32	SW-59	Total/NA	Solid	8015 NM	
880-26043-33	SW-60	Total/NA	Solid	8015 NM	

Analysis Batch: 49475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-5	BH-26 (6')	Total/NA	Solid	8015B NM	49374
880-26043-6	BH-64 (7')	Total/NA	Solid	8015B NM	49374
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-9	BH-73 (7')	Total/NA	Solid	8015B NM	49374
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015B NM	49374
880-26043-11	BH-79 (7')	Total/NA	Solid	8015B NM	49374
880-26043-12	BH-84 (7')	Total/NA	Solid	8015B NM	49374
880-26043-13	SW-5	Total/NA	Solid	8015B NM	49374
880-26043-14	SW-6	Total/NA	Solid	8015B NM	49374
880-26043-15	SW-15	Total/NA	Solid	8015B NM	49374
880-26043-16	SW-17	Total/NA	Solid	8015B NM	49374
880-26043-17	SW-21	Total/NA	Solid	8015B NM	49374
880-26043-18	SW-23	Total/NA	Solid	8015B NM	49374
880-26043-19	SW-24	Total/NA	Solid	8015B NM	49374
880-26043-20	SW-26	Total/NA	Solid	8015B NM	49374
880-26043-21	SW-27	Total/NA	Solid	8015B NM	49374
880-26043-22	SW-32	Total/NA	Solid	8015B NM	49374
880-26043-23	SW-39	Total/NA	Solid	8015B NM	49373
880-26043-24	SW-42	Total/NA	Solid	8015B NM	49373
880-26043-25	SW-43	Total/NA	Solid	8015B NM	49373
880-26043-26	SW-44	Total/NA	Solid	8015B NM	49373
880-26043-27	SW-45	Total/NA	Solid	8015B NM	49373
880-26043-28	SW-47	Total/NA	Solid	8015B NM	49373
880-26043-29	SW-51	Total/NA	Solid	8015B NM	49373
880-26043-30	SW-53	Total/NA	Solid	8015B NM	49373
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015B NM	49373
MB 880-49374/1-A	Method Blank	Total/NA	Solid	8015B NM	49374
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49373
LCS 880-49374/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49374
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49373
LCSD 880-49374/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49374
880-26043-1 MS	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-1 MSD	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-23 MS	SW-39	Total/NA	Solid	8015B NM	49373
880-26043-23 MSD	SW-39	Total/NA	Solid	8015B NM	49373

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 49562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384
880-26043-4	BH-25 (7')	Total/NA	Solid	8015B NM	49384
MB 880-49384/1-A	Method Blank	Total/NA	Solid	8015B NM	49384
LCS 880-49384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49384
LCSD 880-49384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49384
880-26043-3 MS	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384
880-26043-3 MSD	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-19 (5'-6')

Lab Sample ID: 880-26043-1
Date Collected: 03/15/23 09:30
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 11:38	AJ	EET MID

Client Sample ID: BH-20 (5'-6')

Lab Sample ID: 880-26043-2
Date Collected: 03/15/23 09:35
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 12:44	AJ	EET MID

Client Sample ID: BH-23 (5'-6')

Lab Sample ID: 880-26043-3
Date Collected: 03/15/23 09:40
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/28/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49384	03/24/23 09:44	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49562	03/27/23 11:29	SM	EET MID

Client Sample ID: BH-25 (7')

Lab Sample ID: 880-26043-4
Date Collected: 03/15/23 09:45
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/28/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49384	03/24/23 09:44	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49562	03/27/23 12:33	SM	EET MID

Client Sample ID: BH-26 (6')

Lab Sample ID: 880-26043-5
Date Collected: 03/15/23 09:50
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:06	AJ	EET MID

Client Sample ID: BH-64 (7')

Lab Sample ID: 880-26043-6
Date Collected: 03/15/23 10:00
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-64 (7')
Lab Sample ID: 880-26043-6
Date Collected: 03/15/23 10:00
Matrix: Solid
Date Received: 03/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:28	AJ	EET MID

Client Sample ID: BH-67 (5'-6')
Lab Sample ID: 880-26043-7
Date Collected: 03/15/23 10:10
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:50	AJ	EET MID

Client Sample ID: BH-68 (5'-6')
Lab Sample ID: 880-26043-8
Date Collected: 03/15/23 10:15
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:12	AJ	EET MID

Client Sample ID: BH-73 (7')
Lab Sample ID: 880-26043-9
Date Collected: 03/15/23 10:20
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:35	AJ	EET MID

Client Sample ID: BH-76 (3.5')
Lab Sample ID: 880-26043-10
Date Collected: 03/15/23 10:25
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:57	AJ	EET MID

Client Sample ID: BH-79 (7')
Lab Sample ID: 880-26043-11
Date Collected: 03/15/23 10:30
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-79 (7')
Lab Sample ID: 880-26043-11
Date Collected: 03/15/23 10:30
Matrix: Solid
Date Received: 03/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 15:19	AJ	EET MID

Client Sample ID: BH-84 (7')
Lab Sample ID: 880-26043-12
Date Collected: 03/15/23 10:35
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 15:42	AJ	EET MID

Client Sample ID: SW-5
Lab Sample ID: 880-26043-13
Date Collected: 03/15/23 10:40
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 16:28	AJ	EET MID

Client Sample ID: SW-6
Lab Sample ID: 880-26043-14
Date Collected: 03/15/23 10:45
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 16:50	AJ	EET MID

Client Sample ID: SW-15
Lab Sample ID: 880-26043-15
Date Collected: 03/15/23 10:55
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:13	AJ	EET MID

Client Sample ID: SW-17
Lab Sample ID: 880-26043-16
Date Collected: 03/15/23 11:00
Matrix: Solid
Date Received: 03/16/23 11:30

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			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-17
Date Collected: 03/15/23 11:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-16
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	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:35	AJ	EET MID

Client Sample ID: SW-21
Date Collected: 03/15/23 11:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:58	AJ	EET MID

Client Sample ID: SW-23
Date Collected: 03/15/23 11:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 18:20	AJ	EET MID

Client Sample ID: SW-24
Date Collected: 03/15/23 11:25
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 18:42	AJ	EET MID

Client Sample ID: SW-26
Date Collected: 03/15/23 11:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:04	AJ	EET MID

Client Sample ID: SW-27
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-27
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-21
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	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:27	AJ	EET MID

Client Sample ID: SW-32
Date Collected: 03/15/23 11:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:49	AJ	EET MID

Client Sample ID: SW-39
Date Collected: 03/15/23 13:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/26/23 08:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 21:42	AJ	EET MID

Client Sample ID: SW-42
Date Collected: 03/15/23 13:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-24
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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:36	AJ	EET MID

Client Sample ID: SW-43
Date Collected: 03/15/23 13:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:10	AJ	EET MID

Client Sample ID: SW-44
Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-44
Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
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	8015NM Prep			10.03 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:32	AJ	EET MID

Client Sample ID: SW-45
Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:58	AJ	EET MID

Client Sample ID: SW-47
Date Collected: 03/15/23 13:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:53	AJ	EET MID

Client Sample ID: SW-51
Date Collected: 03/15/23 14:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 05:20	AJ	EET MID

Client Sample ID: SW-53
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:15	AJ	EET MID

Client Sample ID: SW-57
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-57
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-31
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	8015NM Prep			10.02 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 04:28	SM	EET MID

Client Sample ID: SW-59
Date Collected: 03/15/23 14:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 04:49	SM	EET MID

Client Sample ID: SW-60
Date Collected: 03/15/23 14:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 05:11	SM	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 271

Job ID: 880-26043-1
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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26043-1	BH-19 (5'-6')	Solid	03/15/23 09:30	03/16/23 11:30
880-26043-2	BH-20 (5'-6')	Solid	03/15/23 09:35	03/16/23 11:30
880-26043-3	BH-23 (5'-6')	Solid	03/15/23 09:40	03/16/23 11:30
880-26043-4	BH-25 (7')	Solid	03/15/23 09:45	03/16/23 11:30
880-26043-5	BH-26 (6')	Solid	03/15/23 09:50	03/16/23 11:30
880-26043-6	BH-64 (7')	Solid	03/15/23 10:00	03/16/23 11:30
880-26043-7	BH-67 (5'-6')	Solid	03/15/23 10:10	03/16/23 11:30
880-26043-8	BH-68 (5'-6')	Solid	03/15/23 10:15	03/16/23 11:30
880-26043-9	BH-73 (7')	Solid	03/15/23 10:20	03/16/23 11:30
880-26043-10	BH-76 (3.5')	Solid	03/15/23 10:25	03/16/23 11:30
880-26043-11	BH-79 (7')	Solid	03/15/23 10:30	03/16/23 11:30
880-26043-12	BH-84 (7')	Solid	03/15/23 10:35	03/16/23 11:30
880-26043-13	SW-5	Solid	03/15/23 10:40	03/16/23 11:30
880-26043-14	SW-6	Solid	03/15/23 10:45	03/16/23 11:30
880-26043-15	SW-15	Solid	03/15/23 10:55	03/16/23 11:30
880-26043-16	SW-17	Solid	03/15/23 11:00	03/16/23 11:30
880-26043-17	SW-21	Solid	03/15/23 11:10	03/16/23 11:30
880-26043-18	SW-23	Solid	03/15/23 11:20	03/16/23 11:30
880-26043-19	SW-24	Solid	03/15/23 11:25	03/16/23 11:30
880-26043-20	SW-26	Solid	03/15/23 11:30	03/16/23 11:30
880-26043-21	SW-27	Solid	03/15/23 11:40	03/16/23 11:30
880-26043-22	SW-32	Solid	03/15/23 11:50	03/16/23 11:30
880-26043-23	SW-39	Solid	03/15/23 13:00	03/16/23 11:30
880-26043-24	SW-42	Solid	03/15/23 13:10	03/16/23 11:30
880-26043-25	SW-43	Solid	03/15/23 13:20	03/16/23 11:30
880-26043-26	SW-44	Solid	03/15/23 13:30	03/16/23 11:30
880-26043-27	SW-45	Solid	03/15/23 13:40	03/16/23 11:30
880-26043-28	SW-47	Solid	03/15/23 13:50	03/16/23 11:30
880-26043-29	SW-51	Solid	03/15/23 14:00	03/16/23 11:30
880-26043-30	SW-53	Solid	03/15/23 14:10	03/16/23 11:30
880-26043-31	SW-57	Solid	03/15/23 14:20	03/16/23 11:30
880-26043-32	SW-59	Solid	03/15/23 14:30	03/16/23 11:30
880-26043-33	SW-60	Solid	03/15/23 14:40	03/16/23 11:30

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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

880-26043 Chain of Custody

26043

Client Name	JR Oil
Site Manager	Brittany Long
Project Name	MLMU 271
	(432) 741-5813
	Brittany long@tetratech com
Project Location (county, state)	Lea County, NM
Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701
Receiving Laboratory	Eurofins Lab
Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

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)	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 / Chlonde Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-19 (5'-6')	3/15/2023	9:30		x				x					x		x												x						X
	BH-20 (5'-6')	3/15/2023	9:35		x				x					x		x												x						X
	BH-23 (5'-6')	3/15/2023	9:40		x				x					x		x												x						X
	BH-25 (7')	3/15/2023	9:45		x				x					x		x												x						x
	BH-26 (6')	3/15/2023	9:50		x				x					x		x												x						x
	BH-64 (7')	3/15/2023	10:00		x				x					x		x												x						x
	BH-67 (5'-6')	3/15/2023	10:10		x				x					x		x												x						x
	BH-68 (5'-6')	3/15/2023	10:15		x				x					x		x												x						x
	BH-73 (7')	3/15/2023	10:20		x				x					x		x												x						x
	BH-76 (3 5')	3/15/2023	10:25		x				x					x		x												x						x

	Date	Time
Relinquished by: Gabe Huerta	3-16-23	11:30
Received by:	3/16/23	1130
Relinquished by:		
Received by:		
Relinquished by:		
Received by:		

LAB USE ONLY

Sample Temperature 0.9/06

REMARKS: Standard TAT

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

216043

Client Name	JR Oil	Site Manager	Brittany Long
Project Name	MLMU 271		(432) 741-5813 Brittany long@tetratech com
Project Location (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory	Eurofins Lab	Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

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)	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-79 (7')	3/15/2023	10:30		x			x			x		x												x							X
	BH-84 (7')	3/15/2023	10:35		x			x			x		x												x							X
	SW-5	3/15/2023	10:40		x			x			x		x												x							X
	SW-6	3/15/2023	10:45		x			x			x		x												x							x
	SW-15	3/15/2023	10:55		x			x			x		x												x							x
	SW-17	3/15/2023	11:00		x			x			x		x												x							x
	SW-21	3/15/2023	11:10		x			x			x		x												x							x
	SW-23	3/15/2023	11:20		x			x			x		x												x							x
	SW-24	3/15/2023	11:25		x			x			x		x												x							x
	SW-26	3/15/2023	11:30		x			x			x		x												x							x

Relinquished by: Gabe Huerta	Date: 3-16-23	Time: 11:30	Received by: [signature] 3/16/23 1130
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

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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

216043

Client Name	JR Oil
Site Manager	Brittany Long
Project Name	MLMU 271
	(432) 741-5813
	Brittany long@tetratech com
Project Location (county, state)	Lea County, NM
Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701
Receiving Laboratory	Eurofins Lab
Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 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)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-27	3/15/2023	11:40		x			x			x		x												x						X
	SW-32	3/15/2023	11:50		x			x			x		x												x						X
	SW-39	3/15/2023	1:00		x			x			x		x												x						X
	SW-42	3/15/2023	1:10		x			x			x		x												x						x
	SW-43	3/15/2023	1:20		x			x			x		x												x						x
	SW-44	3/15/2023	1:30		x			x			x		x												x						x
	SW-45	3/15/2023	1:40		x			x			x		x												x						x
	SW-47	3/15/2023	1:50		x			x			x		x												x						x
	SW-51	3/15/2023	2:00		x			x			x		x												x						x
	SW-53	3/15/2023	2:10		x			x			x		x												x						x

Relinquished by	Date	Time	Received by
Gabe Huerta	3-16-23	11:30	3/16/23 1130
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by

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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3/28/2023

Page 670 of 811

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Analysis Request of Chain of Custody Record

Loc: 880
26043

26043

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name	JR Oil	Site Manager	Brittany Long
Project Name	MLMU 271		(432) 741-5813 Brittany.long@tetratech com
Project Location (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory	Eurofins Lab	Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

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)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	SW-54	3/15/2023	2:20		x				x					x		x												x							X
	SW-59	3/15/2023	2:30		x				x					x		x												x							X
	SW-60	3/15/2023	2:40		x				x					x		x												x							X

Relinquished by	Date	Time	Received by	Date	Time
Gabe Huerta	3-16-23	11:30		3/16/23	1130
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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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-26043-1
SDG Number: Lea County, NM

Login Number: 26043
List Number: 1
Creator: Rodriguez, Leticia

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 3/13/2023 5:03:18 PM

JOB DESCRIPTION

JR Oil - MLMU 271
SDG NUMBER Lea County, NM

JOB NUMBER

880-25803-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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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

Generated
3/13/2023 5:03:18 PM

Authorized for release by
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(432)704-5440

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Laboratory Job ID: 880-25803-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-25803-1
Project/Site: JR Oil - MLMU 271 SDG: Lea County, NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
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 271

Job ID: 880-25803-1
SDG: Lea County, NM

Job ID: 880-25803-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25803-1

Receipt
The samples were received on 3/10/2023 4:28 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 16.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-12 (10') (880-25803-1), BH-15 (7.0') (880-25803-2) and SW-46 (6-10') (880-25803-3).

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48358 and analytical batch 880-48412 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-12 (10') (880-25803-1). 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) precision for preparation batch 880-48358 and analytical batch 880-48412 was outside control limits. Sample non-homogeneity is suspected.

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 271

Job ID: 880-25803-1
SDG: Lea County, NM

Client Sample ID: BH-12 (10')

Lab Sample ID: 880-25803-1
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4490		49.9		mg/Kg			03/13/23 17:10	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	290		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:24	1
Diesel Range Organics (Over C10-C28)	3650		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:24	1
Oil Range Organics (Over C28-C36)	548		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/10/23 16:42*	*03/13/23 05:24*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*03/10/23 16:42*	*03/13/23 05:24*	*1*

Client Sample ID: BH-15 (7.0')

Lab Sample ID: 880-25803-2
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3510		49.9		mg/Kg			03/13/23 17:10	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	143		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:45	1
Diesel Range Organics (Over C10-C28)	2990		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:45	1
Oil Range Organics (Over C28-C36)	374		49.9		mg/Kg		03/10/23 16:42	03/13/23 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*03/10/23 16:42*	*03/13/23 05:45*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/10/23 16:42*	*03/13/23 05:45*	*1*

Client Sample ID: SW-46 (6-10')

Lab Sample ID: 880-25803-3
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1560		50.0		mg/Kg			03/13/23 17:10	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		03/10/23 16:42	03/13/23 06:07	1
Diesel Range Organics (Over C10-C28)	1310		50.0		mg/Kg		03/10/23 16:42	03/13/23 06:07	1
Oil Range Organics (Over C28-C36)	250		50.0		mg/Kg		03/10/23 16:42	03/13/23 06:07	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

Client Sample ID: SW-46 (6-10')
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

Lab Sample ID: 880-25803-3
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/10/23 16:42	03/13/23 06:07	1
o-Terphenyl	130		70 - 130	03/10/23 16:42	03/13/23 06:07	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-25780-A-1-C MS	Matrix Spike	108	124										
880-25780-A-1-D MSD	Matrix Spike Duplicate	94	111										
880-25803-1	BH-12 (10')	112	137 S1+										
880-25803-2	BH-15 (7.0')	111	129										
880-25803-3	SW-46 (6-10')	103	130										
LCS 880-48358/2-A	Lab Control Sample	86	109										
LCSD 880-48358/3-A	Lab Control Sample Dup	90	115										
MB 880-48358/1-A	Method Blank	119	151 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-48358/1-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48358

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		03/10/23 16:42	03/12/23 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/23 16:42	03/12/23 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/23 16:42	03/12/23 21:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*03/10/23 16:42*	*03/12/23 21:09*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*03/10/23 16:42*	*03/12/23 21:09*	*1*

Lab Sample ID: LCS 880-48358/2-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.0		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: LCSD 880-48358/3-A
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1091		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	987.5		mg/Kg		99	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 880-25780-A-1-C MS
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48358

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 F2	998	1139		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1154		mg/Kg		116	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

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

Lab Sample ID: 880-25780-A-1-C MS
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48358

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 880-25780-A-1-D MSD
Matrix: Solid
Analysis Batch: 48412

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48358

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 F2	999	861.9	F2	mg/Kg		86	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1026		mg/Kg		103	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	111		70 - 130

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 48358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25803-1	BH-12 (10')	Total/NA	Solid	8015NM Prep	
880-25803-2	BH-15 (7.0')	Total/NA	Solid	8015NM Prep	
880-25803-3	SW-46 (6-10')	Total/NA	Solid	8015NM Prep	
MB 880-48358/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48358/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48358/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25780-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25780-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25803-1	BH-12 (10')	Total/NA	Solid	8015B NM	48358
880-25803-2	BH-15 (7.0')	Total/NA	Solid	8015B NM	48358
880-25803-3	SW-46 (6-10')	Total/NA	Solid	8015B NM	48358
MB 880-48358/1-A	Method Blank	Total/NA	Solid	8015B NM	48358
LCS 880-48358/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48358
LCSD 880-48358/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48358
880-25780-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48358
880-25780-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48358

Analysis Batch: 48536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25803-1	BH-12 (10')	Total/NA	Solid	8015 NM	
880-25803-2	BH-15 (7.0')	Total/NA	Solid	8015 NM	
880-25803-3	SW-46 (6-10')	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

Client Sample ID: BH-12 (10')

Lab Sample ID: 880-25803-1
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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			48536	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 05:24	SM	EET MID

Client Sample ID: BH-15 (7.0')

Lab Sample ID: 880-25803-2
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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			48536	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 05:45	SM	EET MID

Client Sample ID: SW-46 (6-10')

Lab Sample ID: 880-25803-3
Matrix: Solid
Date Collected: 03/10/23 00:00
Date Received: 03/10/23 16:28

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			48536	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 06:07	SM	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 271

Job ID: 880-25803-1
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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: JR Oil - MLMU 271

Job ID: 880-25803-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25803-1	BH-12 (10')	Solid	03/10/23 00:00	03/10/23 16:28
880-25803-2	BH-15 (7.0')	Solid	03/10/23 00:00	03/10/23 16:28
880-25803-3	SW-46 (6-10')	Solid	03/10/23 00:00	03/10/23 16:28

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Analysis Request of Chain of Custody Record

Page 1 of

3/13/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

25803

Client Name: JR Oil	Site Manager: Brittany Long
Project Name: MLMU 271	(432) 741-5813 Brittany long@tetratech com
Project Location (county, state): Lea County, NM	Project #: 212C-MD-02890
Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701	
Receiving Laboratory: Eurofins Lab	Sampler Signature: Luke Romero

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides.**

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	# CONTAINERS	FILTERED (Y/N)
	BH-12 (10')	11/7/2022			x				x			
	BH-15 (7 0')	11/7/2022			x				x			
	SW-46 (6-10')	11/7/2022			x				x			
		3/10/23										

ANALYSIS REQUEST (Circle or Specify Method No.)

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

880-25803 Chain of Custody

Relinquished by:	Date: 3-10-23	Time: 4:28
Relinquished by	Date	Time
Relinquished by	Date	Time

Received by:	Date: 3/10/23	Time: 1628
Received by:	Date	Time
Received by:	Date	Time

LAB USE ONLY

Sample Temperature: 16.3/160

407

Standard TAT

X RUSH Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-25803-1
SDG Number: Lea County, NM

Login Number: 25803
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-25803-1
SDG Number: Lea County, NM

Login Number: 25803
List Number: 2
Creator: Rodriguez, Leticia

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	Received same day of collection; chilling process has begun.
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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/3/2023 9:29:16 AM Revision 1

JOB DESCRIPTION

MLMU 271
SDG NUMBER Lea County, NM

JOB NUMBER

880-26043-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 9/21/2023 3:26:25 PM

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

Generated
4/3/2023 9:29:16 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 271

Laboratory Job ID: 880-26043-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Qualifiers

GC Semi VOA

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

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: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Job ID: 880-26043-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26043-1

REVISION

The report being provided is a revision of the original report sent on 3/28/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID name correction.

Report revision history

Receipt
The samples were received on 3/16/2023 11:30 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-19 (5'-6') (880-26043-1), BH-20 (5'-6') (880-26043-2), BH-23 (5'-6') (880-26043-3), BH-25 (7') (880-26043-4), BH-26 (6') (880-26043-5), BH-64 (7') (880-26043-6), BH-67 (5'-6') (880-26043-7), BH-68 (5'-6') (880-26043-8), BH-73 (7') (880-26043-9), BH-76 (3.5') (880-26043-10), BH-79 (7') (880-26043-11), BH-84 (7') (880-26043-12), SW-5 (880-26043-13), SW-6 (880-26043-14), SW-15 (880-26043-15), SW-17 (880-26043-16), SW-21 (880-26043-17), SW-23 (880-26043-18), SW-24 (880-26043-19), SW-26 (880-26043-20), SW-27 (880-26043-21), SW-32 (880-26043-22), SW-39 (880-26043-23), SW-42 (880-26043-24), SW-43 (880-26043-25), SW-44 (880-26043-26), SW-45 (880-26043-27), SW-47 (880-26043-28), SW-51 (880-26043-29), SW-53 (880-26043-30), SW-54 (880-26043-31), SW-59 (880-26043-32) and SW-60 (880-26043-33).

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-26043-A-3-F MS) and (880-26043-A-3-G MSD). 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 880-49374 and analytical batch 880-49475 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-49281/31) and (LCS 880-49332/2-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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-19 (5'-6')

Lab Sample ID: 880-26043-1
Matrix: Solid
Date Collected: 03/15/23 09:30
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/24/23 08:56*	*03/25/23 11:38*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/24/23 08:56*	*03/25/23 11:38*	*1*

Client Sample ID: BH-20 (5'-6')

Lab Sample ID: 880-26043-2
Matrix: Solid
Date Collected: 03/15/23 09:35
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/24/23 08:56*	*03/25/23 12:44*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/24/23 08:56*	*03/25/23 12:44*	*1*

Client Sample ID: BH-23 (5'-6')

Lab Sample ID: 880-26043-3
Matrix: Solid
Date Collected: 03/15/23 09:40
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**117**		49.9		mg/Kg			03/28/23 10:42	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		03/24/23 09:44	03/27/23 11:29	1
Diesel Range Organics (Over C10-C28)	**117**		49.9		mg/Kg		03/24/23 09:44	03/27/23 11:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 09:44	03/27/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*03/24/23 09:44*	*03/27/23 11:29*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/24/23 09:44*	*03/27/23 11:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-25 (7')

Lab Sample ID: 880-26043-4
Matrix: Solid
Date Collected: 03/15/23 09:45
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.0**		50.0		mg/Kg			03/28/23 10:42	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		03/24/23 09:44	03/27/23 12:33	1
Diesel Range Organics (Over C10-C28)	**69.0**		50.0		mg/Kg		03/24/23 09:44	03/27/23 12:33	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/24/23 09:44*	*03/27/23 12:33*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/24/23 09:44*	*03/27/23 12:33*	*1*

Client Sample ID: BH-26 (6')

Lab Sample ID: 880-26043-5
Matrix: Solid
Date Collected: 03/15/23 09:50
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:06*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:06*	*1*

Client Sample ID: BH-64 (7')

Lab Sample ID: 880-26043-6
Matrix: Solid
Date Collected: 03/15/23 10:00
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:28*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:28*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-67 (5'-6')

Date Collected: 03/15/23 10:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-7
Matrix: Solid

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:50*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/24/23 08:56*	*03/25/23 13:50*	*1*

Client Sample ID: BH-68 (5'-6')

Date Collected: 03/15/23 10:15
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.6**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1
Diesel Range Organics (Over C10-C28)	**87.6**	***+**	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:12*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:12*	*1*

Client Sample ID: BH-73 (7')

Date Collected: 03/15/23 10:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-9
Matrix: Solid

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:35*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:35*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-76 (3.5')

Lab Sample ID: 880-26043-10
Matrix: Solid
Date Collected: 03/15/23 10:25
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:57*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/24/23 08:56*	*03/25/23 14:57*	*1*

Client Sample ID: BH-79 (7')

Lab Sample ID: 880-26043-11
Matrix: Solid
Date Collected: 03/15/23 10:30
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1370**		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1
Diesel Range Organics (Over C10-C28)	**1260**	***+**	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1
Oll Range Organics (Over C28-C36)	**110**		49.9		mg/Kg		03/24/23 08:56	03/25/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:19*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:19*	*1*

Client Sample ID: BH-84 (7')

Lab Sample ID: 880-26043-12
Matrix: Solid
Date Collected: 03/15/23 10:35
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:42*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/24/23 08:56*	*03/25/23 15:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-5
Date Collected: 03/15/23 10:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-13
Matrix: Solid

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:28*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:28*	*1*

Client Sample ID: SW-6
Date Collected: 03/15/23 10:45
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-14
Matrix: Solid

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:50*	*1*
o-Terphenyl	*82*		*70 - 130*	*03/24/23 08:56*	*03/25/23 16:50*	*1*

Client Sample ID: SW-15
Date Collected: 03/15/23 10:55
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-15
Matrix: Solid

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:13*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:13*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-17

Lab Sample ID: 880-26043-16
Matrix: Solid
Date Collected: 03/15/23 11:00
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:35*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:35*	*1*

Client Sample ID: SW-21

Lab Sample ID: 880-26043-17
Matrix: Solid
Date Collected: 03/15/23 11:10
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:58*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/24/23 08:56*	*03/25/23 17:58*	*1*

Client Sample ID: SW-23

Lab Sample ID: 880-26043-18
Matrix: Solid
Date Collected: 03/15/23 11:20
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**169**		49.8		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1
Diesel Range Organics (Over C10-C28)	**169**	***+**	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/24/23 08:56	03/25/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:20*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-24

Lab Sample ID: 880-26043-19
Matrix: Solid
Date Collected: 03/15/23 11:25
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:42*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/24/23 08:56*	*03/25/23 18:42*	*1*

Client Sample ID: SW-26

Lab Sample ID: 880-26043-20
Matrix: Solid
Date Collected: 03/15/23 11:30
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:04*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:04*	*1*

Client Sample ID: SW-27

Lab Sample ID: 880-26043-21
Matrix: Solid
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:56	03/25/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:27*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:27*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-32

Lab Sample ID: 880-26043-22
Matrix: Solid
Date Collected: 03/15/23 11:50
Date Received: 03/16/23 11:30

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			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:56*	*03/25/23 19:49*	*1*

Client Sample ID: SW-39

Lab Sample ID: 880-26043-23
Matrix: Solid
Date Collected: 03/15/23 13:00
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**122**		49.9		mg/Kg			03/26/23 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1
Diesel Range Organics (Over C10-C28)	**122**		49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/25/23 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/24/23 08:54*	*03/25/23 21:42*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/24/23 08:54*	*03/25/23 21:42*	*1*

Client Sample ID: SW-42

Lab Sample ID: 880-26043-24
Matrix: Solid
Date Collected: 03/15/23 13:10
Date Received: 03/16/23 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**237**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1
Diesel Range Organics (Over C10-C28)	**237**		50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:36*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:36*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-43

Date Collected: 03/15/23 13:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5260		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1
Diesel Range Organics (Over C10-C28)	4740		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1
OII Range Organics (Over C28-C36)	516		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:10*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:10*	*1*

Client Sample ID: SW-44

Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3180		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1
Diesel Range Organics (Over C10-C28)	2880		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1
OII Range Organics (Over C28-C36)	302		49.9		mg/Kg		03/24/23 08:54	03/26/23 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:32*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:32*	*1*

Client Sample ID: SW-45

Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.4		49.9		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1
Diesel Range Organics (Over C10-C28)	76.4		49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:58*	*1*

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-45
Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-27
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:58*	*1*

Client Sample ID: SW-47
Date Collected: 03/15/23 13:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3370**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1
Diesel Range Organics (Over C10-C28)	**3030**		50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1
Oil Range Organics (Over C28-C36)	**339**		50.0		mg/Kg		03/24/23 08:54	03/26/23 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:53*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/24/23 08:54*	*03/26/23 03:53*	*1*

Client Sample ID: SW-51
Date Collected: 03/15/23 14:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**139**		50.0		mg/Kg			03/27/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1
Diesel Range Organics (Over C10-C28)	**139**		50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/26/23 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/24/23 08:54*	*03/26/23 05:20*	*1*

Client Sample ID: SW-53
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**311**		49.9		mg/Kg			03/27/23 11:12	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-53
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:15	1
Diesel Range Organics (Over C10-C28)	**311**		49.9		mg/Kg		03/24/23 08:54	03/26/23 04:15	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/24/23 08:54	03/26/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:15*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/24/23 08:54*	*03/26/23 04:15*	*1*

Client Sample ID: SW-54
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**131**		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1
Diesel Range Organics (Over C10-C28)	**131**		49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:28*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:28*	*1*

Client Sample ID: SW-59
Date Collected: 03/15/23 14:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-32
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3550**		50.0		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1
Diesel Range Organics (Over C10-C28)	**3170**		50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1
Oll Range Organics (Over C28-C36)	**381**		50.0		mg/Kg		03/23/23 14:12	03/24/23 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:49*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/23/23 14:12*	*03/24/23 04:49*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-60

Date Collected: 03/15/23 14:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-33

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.2**		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1
Diesel Range Organics (Over C10-C28)	**59.2**		49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/24/23 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/23/23 14:12*	*03/24/23 05:11*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/23/23 14:12*	*03/24/23 05:11*	*1*

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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)
880-26041-A-14-C MS	Matrix Spike	110	109
880-26041-A-14-D MSD	Matrix Spike Duplicate	95	94
880-26043-1	BH-19 (5'-6')	94	110
880-26043-1 MS	BH-19 (5'-6')	93	96
880-26043-1 MSD	BH-19 (5'-6')	94	97
880-26043-2	BH-20 (5'-6')	99	114
880-26043-3	BH-23 (5'-6')	123	120
880-26043-3 MS	BH-23 (5'-6')	136 S1+	116
880-26043-3 MSD	BH-23 (5'-6')	133 S1+	113
880-26043-4	BH-25 (7')	101	95
880-26043-5	BH-26 (6')	86	100
880-26043-6	BH-64 (7')	83	98
880-26043-7	BH-67 (5'-6')	83	95
880-26043-8	BH-68 (5'-6')	88	100
880-26043-9	BH-73 (7')	81	93
880-26043-10	BH-76 (3.5')	89	100
880-26043-11	BH-79 (7')	85	92
880-26043-12	BH-84 (7')	84	97
880-26043-13	SW-5	77	85
880-26043-14	SW-6	74	82
880-26043-15	SW-15	77	85
880-26043-16	SW-17	75	83
880-26043-17	SW-21	80	89
880-26043-18	SW-23	81	90
880-26043-19	SW-24	75	83
880-26043-20	SW-26	85	92
880-26043-21	SW-27	86	92
880-26043-22	SW-32	80	90
880-26043-23	SW-39	93	107
880-26043-23 MS	SW-39	98	103
880-26043-23 MSD	SW-39	99	103
880-26043-24	SW-42	81	90
880-26043-25	SW-43	99	108
880-26043-26	SW-44	90	98
880-26043-27	SW-45	96	104
880-26043-28	SW-47	101	109
880-26043-29	SW-51	88	101
880-26043-30	SW-53	96	106
880-26043-31	SW-54	87	94
880-26043-32	SW-59	101	108
880-26043-33	SW-60	85	91
LCS 880-49332/2-A	Lab Control Sample	116	136 S1+
LCS 880-49373/2-A	Lab Control Sample	106	123
LCS 880-49374/2-A	Lab Control Sample	104	119
LCS 880-49384/2-A	Lab Control Sample	117	107
LCSD 880-49332/3-A	Lab Control Sample Dup	104	123
LCSD 880-49373/3-A	Lab Control Sample Dup	127	148 S1+
LCSD 880-49374/3-A	Lab Control Sample Dup	120	138 S1+
LCSD 880-49384/3-A	Lab Control Sample Dup	118	107

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-26043-1
Project/Site: MLMU 271 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)								
MB 880-49332/1-A	Method Blank	96	109								
MB 880-49373/1-A	Method Blank	102	124								
MB 880-49374/1-A	Method Blank	119	144 S1+								
MB 880-49384/1-A	Method Blank	106	106								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-49332/1-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49332

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		03/23/23 14:12	03/23/23 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/23/23 14:12*	*03/23/23 20:11*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/23/23 14:12*	*03/23/23 20:11*	*1*

Lab Sample ID: LCS 880-49332/2-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	961.3		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	922.5		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-49332/3-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49332

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.0		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	829.8		mg/Kg		83	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 880-26041-A-14-C MS
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49332

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	1160		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1221		mg/Kg		122	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: 880-26041-A-14-C MS
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49332

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-26041-A-14-D MSD
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 49332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	958.3		mg/Kg		94	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1071		mg/Kg		107	70 - 130	13	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: MB 880-49373/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49373

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		03/24/23 08:54	03/25/23 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:54	03/25/23 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/24/23 08:54	03/25/23 20:34	1
o-Terphenyl	124		70 - 130	03/24/23 08:54	03/25/23 20:34	1

Lab Sample ID: LCS 880-49373/2-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	891.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	870.2		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	123		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-49373/3-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	953.4		mg/Kg		95	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	948.9		mg/Kg		95	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: 880-26043-23 MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: SW-39
Prep Type: Total/NA
Prep Batch: 49373

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	958.0		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	122		998	1094		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-26043-23 MSD
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: SW-39
Prep Type: Total/NA
Prep Batch: 49373

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	947.3		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	122		999	1253		mg/Kg		113	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: MB 880-49374/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49374

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		03/24/23 08:56	03/25/23 08:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 08:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 08:56	03/25/23 08:46	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-49374/1-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49374

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/24/23 08:56	03/25/23 08:46	1
o-Terphenyl	144	S1+	70 - 130	03/24/23 08:56	03/25/23 08:46	1

Lab Sample ID: LCS 880-49374/2-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1143		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1414	*+	mg/Kg		141	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-49374/3-A
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	960.3		mg/Kg		96	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1447	*+	mg/Kg		145	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 880-26043-1 MS
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: BH-19 (5'-6')
Prep Type: Total/NA
Prep Batch: 49374

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	930.6		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	998	1053		mg/Kg		103	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: 880-26043-1 MSD
Matrix: Solid
Analysis Batch: 49475

Client Sample ID: BH-19 (5'-6')
Prep Type: Total/NA
Prep Batch: 49374

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	959.9		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	1051		mg/Kg		103	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: MB 880-49384/1-A
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49384

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		03/24/23 09:44	03/27/23 08:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 08:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/24/23 09:44	03/27/23 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/24/23 09:44*	*03/27/23 08:47*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/24/23 09:44*	*03/27/23 08:47*	*1*

Lab Sample ID: LCS 880-49384/2-A
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1028		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-49384/3-A
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	969.4		mg/Kg		97	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	996.4		mg/Kg		100	70 - 130	3	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-49384/3-A
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49384

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-26043-3 MS
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: BH-23 (5'-6')
Prep Type: Total/NA
Prep Batch: 49384

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	883.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	117		998	888.4		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 880-26043-3 MSD
Matrix: Solid
Analysis Batch: 49562

Client Sample ID: BH-23 (5'-6')
Prep Type: Total/NA
Prep Batch: 49384

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	878.2		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	117		999	874.9		mg/Kg		76	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	113		70 - 130

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 49281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-31	SW-54	Total/NA	Solid	8015B NM	49332
880-26043-32	SW-59	Total/NA	Solid	8015B NM	49332
880-26043-33	SW-60	Total/NA	Solid	8015B NM	49332
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015B NM	49332
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49332
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49332
880-26041-A-14-C MS	Matrix Spike	Total/NA	Solid	8015B NM	49332
880-26041-A-14-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49332

Prep Batch: 49332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-31	SW-54	Total/NA	Solid	8015NM Prep	
880-26043-32	SW-59	Total/NA	Solid	8015NM Prep	
880-26043-33	SW-60	Total/NA	Solid	8015NM Prep	
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26041-A-14-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26041-A-14-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 49373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-23	SW-39	Total/NA	Solid	8015NM Prep	
880-26043-24	SW-42	Total/NA	Solid	8015NM Prep	
880-26043-25	SW-43	Total/NA	Solid	8015NM Prep	
880-26043-26	SW-44	Total/NA	Solid	8015NM Prep	
880-26043-27	SW-45	Total/NA	Solid	8015NM Prep	
880-26043-28	SW-47	Total/NA	Solid	8015NM Prep	
880-26043-29	SW-51	Total/NA	Solid	8015NM Prep	
880-26043-30	SW-53	Total/NA	Solid	8015NM Prep	
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-23 MS	SW-39	Total/NA	Solid	8015NM Prep	
880-26043-23 MSD	SW-39	Total/NA	Solid	8015NM Prep	

Prep Batch: 49374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-5	BH-26 (6')	Total/NA	Solid	8015NM Prep	
880-26043-6	BH-64 (7')	Total/NA	Solid	8015NM Prep	
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-9	BH-73 (7')	Total/NA	Solid	8015NM Prep	
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015NM Prep	
880-26043-11	BH-79 (7')	Total/NA	Solid	8015NM Prep	
880-26043-12	BH-84 (7')	Total/NA	Solid	8015NM Prep	
880-26043-13	SW-5	Total/NA	Solid	8015NM Prep	
880-26043-14	SW-6	Total/NA	Solid	8015NM Prep	
880-26043-15	SW-15	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 49374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-16	SW-17	Total/NA	Solid	8015NM Prep	
880-26043-17	SW-21	Total/NA	Solid	8015NM Prep	
880-26043-18	SW-23	Total/NA	Solid	8015NM Prep	
880-26043-19	SW-24	Total/NA	Solid	8015NM Prep	
880-26043-20	SW-26	Total/NA	Solid	8015NM Prep	
880-26043-21	SW-27	Total/NA	Solid	8015NM Prep	
880-26043-22	SW-32	Total/NA	Solid	8015NM Prep	
MB 880-49374/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49374/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49374/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-1 MS	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-1 MSD	BH-19 (5'-6')	Total/NA	Solid	8015NM Prep	

Prep Batch: 49384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-4	BH-25 (7')	Total/NA	Solid	8015NM Prep	
MB 880-49384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26043-3 MS	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	
880-26043-3 MSD	BH-23 (5'-6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-4	BH-25 (7')	Total/NA	Solid	8015 NM	
880-26043-5	BH-26 (6')	Total/NA	Solid	8015 NM	
880-26043-6	BH-64 (7')	Total/NA	Solid	8015 NM	
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015 NM	
880-26043-9	BH-73 (7')	Total/NA	Solid	8015 NM	
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015 NM	
880-26043-11	BH-79 (7')	Total/NA	Solid	8015 NM	
880-26043-12	BH-84 (7')	Total/NA	Solid	8015 NM	
880-26043-13	SW-5	Total/NA	Solid	8015 NM	
880-26043-14	SW-6	Total/NA	Solid	8015 NM	
880-26043-15	SW-15	Total/NA	Solid	8015 NM	
880-26043-16	SW-17	Total/NA	Solid	8015 NM	
880-26043-17	SW-21	Total/NA	Solid	8015 NM	
880-26043-18	SW-23	Total/NA	Solid	8015 NM	
880-26043-19	SW-24	Total/NA	Solid	8015 NM	
880-26043-20	SW-26	Total/NA	Solid	8015 NM	
880-26043-21	SW-27	Total/NA	Solid	8015 NM	
880-26043-22	SW-32	Total/NA	Solid	8015 NM	
880-26043-23	SW-39	Total/NA	Solid	8015 NM	
880-26043-24	SW-42	Total/NA	Solid	8015 NM	
880-26043-25	SW-43	Total/NA	Solid	8015 NM	
880-26043-26	SW-44	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 49421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-27	SW-45	Total/NA	Solid	8015 NM	
880-26043-28	SW-47	Total/NA	Solid	8015 NM	
880-26043-29	SW-51	Total/NA	Solid	8015 NM	
880-26043-30	SW-53	Total/NA	Solid	8015 NM	
880-26043-31	SW-54	Total/NA	Solid	8015 NM	
880-26043-32	SW-59	Total/NA	Solid	8015 NM	
880-26043-33	SW-60	Total/NA	Solid	8015 NM	

Analysis Batch: 49475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-1	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-2	BH-20 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-5	BH-26 (6')	Total/NA	Solid	8015B NM	49374
880-26043-6	BH-64 (7')	Total/NA	Solid	8015B NM	49374
880-26043-7	BH-67 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-8	BH-68 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-9	BH-73 (7')	Total/NA	Solid	8015B NM	49374
880-26043-10	BH-76 (3.5')	Total/NA	Solid	8015B NM	49374
880-26043-11	BH-79 (7')	Total/NA	Solid	8015B NM	49374
880-26043-12	BH-84 (7')	Total/NA	Solid	8015B NM	49374
880-26043-13	SW-5	Total/NA	Solid	8015B NM	49374
880-26043-14	SW-6	Total/NA	Solid	8015B NM	49374
880-26043-15	SW-15	Total/NA	Solid	8015B NM	49374
880-26043-16	SW-17	Total/NA	Solid	8015B NM	49374
880-26043-17	SW-21	Total/NA	Solid	8015B NM	49374
880-26043-18	SW-23	Total/NA	Solid	8015B NM	49374
880-26043-19	SW-24	Total/NA	Solid	8015B NM	49374
880-26043-20	SW-26	Total/NA	Solid	8015B NM	49374
880-26043-21	SW-27	Total/NA	Solid	8015B NM	49374
880-26043-22	SW-32	Total/NA	Solid	8015B NM	49374
880-26043-23	SW-39	Total/NA	Solid	8015B NM	49373
880-26043-24	SW-42	Total/NA	Solid	8015B NM	49373
880-26043-25	SW-43	Total/NA	Solid	8015B NM	49373
880-26043-26	SW-44	Total/NA	Solid	8015B NM	49373
880-26043-27	SW-45	Total/NA	Solid	8015B NM	49373
880-26043-28	SW-47	Total/NA	Solid	8015B NM	49373
880-26043-29	SW-51	Total/NA	Solid	8015B NM	49373
880-26043-30	SW-53	Total/NA	Solid	8015B NM	49373
MB 880-49373/1-A	Method Blank	Total/NA	Solid	8015B NM	49373
MB 880-49374/1-A	Method Blank	Total/NA	Solid	8015B NM	49374
LCS 880-49373/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49373
LCS 880-49374/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49374
LCSD 880-49373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49373
LCSD 880-49374/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49374
880-26043-1 MS	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-1 MSD	BH-19 (5'-6')	Total/NA	Solid	8015B NM	49374
880-26043-23 MS	SW-39	Total/NA	Solid	8015B NM	49373
880-26043-23 MSD	SW-39	Total/NA	Solid	8015B NM	49373

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 49562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26043-3	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384
880-26043-4	BH-25 (7')	Total/NA	Solid	8015B NM	49384
MB 880-49384/1-A	Method Blank	Total/NA	Solid	8015B NM	49384
LCS 880-49384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49384
LCSD 880-49384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49384
880-26043-3 MS	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384
880-26043-3 MSD	BH-23 (5'-6')	Total/NA	Solid	8015B NM	49384

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-19 (5'-6')
Date Collected: 03/15/23 09:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 11:38	AJ	EET MID

Client Sample ID: BH-20 (5'-6')
Date Collected: 03/15/23 09:35
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 12:44	AJ	EET MID

Client Sample ID: BH-23 (5'-6')
Date Collected: 03/15/23 09:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/28/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49384	03/24/23 09:44	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49562	03/27/23 11:29	SM	EET MID

Client Sample ID: BH-25 (7')
Date Collected: 03/15/23 09:45
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-4
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			49421	03/28/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49384	03/24/23 09:44	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49562	03/27/23 12:33	SM	EET MID

Client Sample ID: BH-26 (6')
Date Collected: 03/15/23 09:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:06	AJ	EET MID

Client Sample ID: BH-64 (7')
Date Collected: 03/15/23 10:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-64 (7')
Date Collected: 03/15/23 10:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-6
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	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:28	AJ	EET MID

Client Sample ID: BH-67 (5'-6')
Date Collected: 03/15/23 10:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 13:50	AJ	EET MID

Client Sample ID: BH-68 (5'-6')
Date Collected: 03/15/23 10:15
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:12	AJ	EET MID

Client Sample ID: BH-73 (7')
Date Collected: 03/15/23 10:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:35	AJ	EET MID

Client Sample ID: BH-76 (3.5')
Date Collected: 03/15/23 10:25
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 14:57	AJ	EET MID

Client Sample ID: BH-79 (7')
Date Collected: 03/15/23 10:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: BH-79 (7')
Date Collected: 03/15/23 10:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-11
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	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 15:19	AJ	EET MID

Client Sample ID: BH-84 (7')
Date Collected: 03/15/23 10:35
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 15:42	AJ	EET MID

Client Sample ID: SW-5
Date Collected: 03/15/23 10:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 16:28	AJ	EET MID

Client Sample ID: SW-6
Date Collected: 03/15/23 10:45
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-14
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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 16:50	AJ	EET MID

Client Sample ID: SW-15
Date Collected: 03/15/23 10:55
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:13	AJ	EET MID

Client Sample ID: SW-17
Date Collected: 03/15/23 11:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-17
Date Collected: 03/15/23 11:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-16
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	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:35	AJ	EET MID

Client Sample ID: SW-21
Date Collected: 03/15/23 11:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 17:58	AJ	EET MID

Client Sample ID: SW-23
Date Collected: 03/15/23 11:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 18:20	AJ	EET MID

Client Sample ID: SW-24
Date Collected: 03/15/23 11:25
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 18:42	AJ	EET MID

Client Sample ID: SW-26
Date Collected: 03/15/23 11:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:04	AJ	EET MID

Client Sample ID: SW-27
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-27
Date Collected: 03/15/23 11:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-21
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	8015NM Prep			10.03 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:27	AJ	EET MID

Client Sample ID: SW-32
Date Collected: 03/15/23 11:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49374	03/24/23 08:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 19:49	AJ	EET MID

Client Sample ID: SW-39
Date Collected: 03/15/23 13:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/26/23 08:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/25/23 21:42	AJ	EET MID

Client Sample ID: SW-42
Date Collected: 03/15/23 13:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-24
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			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:36	AJ	EET MID

Client Sample ID: SW-43
Date Collected: 03/15/23 13:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:10	AJ	EET MID

Client Sample ID: SW-44
Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-44
Date Collected: 03/15/23 13:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-26
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	8015NM Prep			10.03 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:32	AJ	EET MID

Client Sample ID: SW-45
Date Collected: 03/15/23 13:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:58	AJ	EET MID

Client Sample ID: SW-47
Date Collected: 03/15/23 13:50
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 03:53	AJ	EET MID

Client Sample ID: SW-51
Date Collected: 03/15/23 14:00
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 05:20	AJ	EET MID

Client Sample ID: SW-53
Date Collected: 03/15/23 14:10
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/27/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49373	03/24/23 08:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49475	03/26/23 04:15	AJ	EET MID

Client Sample ID: SW-54
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Client Sample ID: SW-54
Date Collected: 03/15/23 14:20
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-31
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	8015NM Prep			10.02 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 04:28	SM	EET MID

Client Sample ID: SW-59
Date Collected: 03/15/23 14:30
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 04:49	SM	EET MID

Client Sample ID: SW-60
Date Collected: 03/15/23 14:40
Date Received: 03/16/23 11:30

Lab Sample ID: 880-26043-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49421	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/24/23 05:11	SM	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 271

Job ID: 880-26043-1
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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MLMU 271

Job ID: 880-26043-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26043-1	BH-19 (5'-6')	Solid	03/15/23 09:30	03/16/23 11:30
880-26043-2	BH-20 (5'-6')	Solid	03/15/23 09:35	03/16/23 11:30
880-26043-3	BH-23 (5'-6')	Solid	03/15/23 09:40	03/16/23 11:30
880-26043-4	BH-25 (7')	Solid	03/15/23 09:45	03/16/23 11:30
880-26043-5	BH-26 (6')	Solid	03/15/23 09:50	03/16/23 11:30
880-26043-6	BH-64 (7')	Solid	03/15/23 10:00	03/16/23 11:30
880-26043-7	BH-67 (5'-6')	Solid	03/15/23 10:10	03/16/23 11:30
880-26043-8	BH-68 (5'-6')	Solid	03/15/23 10:15	03/16/23 11:30
880-26043-9	BH-73 (7')	Solid	03/15/23 10:20	03/16/23 11:30
880-26043-10	BH-76 (3.5')	Solid	03/15/23 10:25	03/16/23 11:30
880-26043-11	BH-79 (7')	Solid	03/15/23 10:30	03/16/23 11:30
880-26043-12	BH-84 (7')	Solid	03/15/23 10:35	03/16/23 11:30
880-26043-13	SW-5	Solid	03/15/23 10:40	03/16/23 11:30
880-26043-14	SW-6	Solid	03/15/23 10:45	03/16/23 11:30
880-26043-15	SW-15	Solid	03/15/23 10:55	03/16/23 11:30
880-26043-16	SW-17	Solid	03/15/23 11:00	03/16/23 11:30
880-26043-17	SW-21	Solid	03/15/23 11:10	03/16/23 11:30
880-26043-18	SW-23	Solid	03/15/23 11:20	03/16/23 11:30
880-26043-19	SW-24	Solid	03/15/23 11:25	03/16/23 11:30
880-26043-20	SW-26	Solid	03/15/23 11:30	03/16/23 11:30
880-26043-21	SW-27	Solid	03/15/23 11:40	03/16/23 11:30
880-26043-22	SW-32	Solid	03/15/23 11:50	03/16/23 11:30
880-26043-23	SW-39	Solid	03/15/23 13:00	03/16/23 11:30
880-26043-24	SW-42	Solid	03/15/23 13:10	03/16/23 11:30
880-26043-25	SW-43	Solid	03/15/23 13:20	03/16/23 11:30
880-26043-26	SW-44	Solid	03/15/23 13:30	03/16/23 11:30
880-26043-27	SW-45	Solid	03/15/23 13:40	03/16/23 11:30
880-26043-28	SW-47	Solid	03/15/23 13:50	03/16/23 11:30
880-26043-29	SW-51	Solid	03/15/23 14:00	03/16/23 11:30
880-26043-30	SW-53	Solid	03/15/23 14:10	03/16/23 11:30
880-26043-31	SW-54	Solid	03/15/23 14:20	03/16/23 11:30
880-26043-32	SW-59	Solid	03/15/23 14:30	03/16/23 11:30
880-26043-33	SW-60	Solid	03/15/23 14:40	03/16/23 11:30

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Received by OCD: 6/29/2023 9:25:08 AM

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

880-26043 Chain of Custody

26043

Client Name	JR Oil
Site Manager	Brittany Long
Project Name	MLMU 271
	(432) 741-5813
	Brittany long@tetratech com
Project Location (county, state)	Lea County, NM
Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701
Receiving Laboratory	Eurofins Lab
Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

ANALYSIS REQUEST (Circle or Specify Method No.)

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)	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	Chlonde Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-19 (5'-6')	3/15/2023	9:30		x				x					x		x												x							X
	BH-20 (5'-6')	3/15/2023	9:35		x				x					x		x												x							X
	BH-23 (5'-6')	3/15/2023	9:40		x				x					x		x												x							X
	BH-25 (7')	3/15/2023	9:45		x				x					x		x												x							x
	BH-26 (6')	3/15/2023	9:50		x				x					x		x												x							x
	BH-64 (7')	3/15/2023	10:00		x				x					x		x												x							x
	BH-67 (5'-6')	3/15/2023	10:10		x				x					x		x												x							x
	BH-68 (5'-6')	3/15/2023	10:15		x				x					x		x												x							x
	BH-73 (7')	3/15/2023	10:20		x				x					x		x												x							x
	BH-76 (3 5')	3/15/2023	10:25		x				x					x		x												x							x

	Date	Time		Date	Time
Relinquished by: Gabe Huerta	3-16-23	11:30	Received by:	3/16/23	1130
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB USE ONLY

Sample Temperature 0.9/06

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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4/3/2023 (Rev. 1)

Page 730 of 811

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Received by OCD: 6/29/2023 9:25:08 AM

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

216043

Client Name	JR Oil	Site Manager	Brittany Long
Project Name	MLMU 271		(432) 741-5813 Brittany long@tetratech com
Project Location (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory	Eurofins Lab	Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2022 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)	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-79 (7')	3/15/2023	10:30		x			x			x		x												x								X
	BH-84 (7')	3/15/2023	10:35		x			x			x		x												x								X
	SW-5	3/15/2023	10:40		x			x			x		x												x								X
	SW-6	3/15/2023	10:45		x			x			x		x												x								x
	SW-15	3/15/2023	10:55		x			x			x		x												x								x
	SW-17	3/15/2023	11:00		x			x			x		x												x								x
	SW-21	3/15/2023	11:10		x			x			x		x												x								x
	SW-23	3/15/2023	11:20		x			x			x		x												x								x
	SW-24	3/15/2023	11:25		x			x			x		x												x								x
	SW-26	3/15/2023	11:30		x			x			x		x												x								x

ANALYSIS REQUEST (Circle or Specify Method No.)

Relinquished by	Date	Time	Received by	Date	Time
Gabe Huerta	3-16-23	11:30		3/16/23	1130
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

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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

216043

Client Name	JR Oil
Site Manager	Brittany Long
Project Name	MLMU 271
	(432) 741-5813
	Brittany long@tetratech com
Project Location (county, state)	Lea County, NM
Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701
Receiving Laboratory	Eurofins Lab
Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

ANALYSIS REQUEST
(Circle or Specify Method No.)

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)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-27	3/15/2023	11:40		x				x					x		x												x							X
	SW-32	3/15/2023	11:50		x				x					x		x												x							X
	SW-39	3/15/2023	1:00		x				x					x		x												x							X
	SW-42	3/15/2023	1:10		x				x					x		x												x							x
	SW-43	3/15/2023	1:20		x				x					x		x												x							x
	SW-44	3/15/2023	1:30		x				x					x		x												x							x
	SW-45	3/15/2023	1:40		x				x					x		x												x							x
	SW-47	3/15/2023	1:50		x				x					x		x												x							x
	SW-51	3/15/2023	2:00		x				x					x		x												x							x
	SW-53	3/15/2023	2:10		x				x					x		x												x							x

Relinquished by	Date	Time	Received by
Gabe Huerta	3-16-23	11:30	3/16/23 1130
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by

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

Loc: 880
26043

26043

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name	JR Oil	Site Manager	Brittany Long
Project Name	MLMU 271		(432) 741-5813 Brittany.long@tetratech com
Project Location (county, state)	Lea County, NM	Project #:	212C-MD-02890
Invoice to	Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701		
Receiving Laboratory	Eurofins Lab	Sampler Signature	Gabe Huerta

Comments: **Hold BTEX and Chloride analysis. If total TPH is below 1,000 mg/kg (GRO+DRO) AND below 2,500 mg/kg TOTAL TPH - run BTEX and Chlorides. Can send to me prior to running BTEX and Chloride and I will provide direction.**

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)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	SW-54	3/15/2023	2:20		x				x					x		x												x						X
	SW-59	3/15/2023	2:30		x				x					x		x												x						X
	SW-60	3/15/2023	2:40		x				x					x		x												x						X

Relinquished by	Date	Time	Received by
Gabe Huerta	3-16-23	11:30	3/16/23 1130
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by

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

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-26043-1
SDG Number: Lea County, NM

Login Number: 26043
List Number: 1
Creator: Rodriguez, Leticia

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 4/26/2023 9:18:22 AM

JOB DESCRIPTION

Jr Oil - MLMU 271
SDG NUMBER 212C-MD-02890

JOB NUMBER

890-4545-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 9/21/2023 3:26:25 PM

my EOL

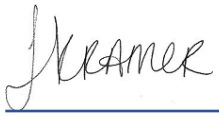
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
4/26/2023 9:18:22 AM

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

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-4545-1
Project/Site: Jr Oil - MLMU 271 SDG: 212C-MD-02890

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.
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
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 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Job ID: 890-4545-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4545-1

Receipt
The samples were received on 4/19/2023 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-5 (890-4545-1), SW-6 (890-4545-2), SW-15 (890-4545-3), SW-17 (890-4545-4), SW-21 (890-4545-5), SW-24 (890-4545-6), SW-26 (890-4545-7), SW-27 (890-4545-8), SW-32 (890-4545-9), SW-39 (890-4545-10), SW-42 (890-4545-11), SW-45 (890-4545-12), SW-51 (890-4545-13), SW-53 (890-4545-14), SW-60 (890-4545-15), SW-65 (890-4545-16), SW-66 (890-4545-17), SW-67 (890-4545-18), SW-68 (890-4545-19), BH-23 (890-4545-20), BH-19 (890-4545-21), BH-20 (890-4545-22), BH-25 (890-4545-23), BH-26 (890-4545-24), BH-64 (890-4545-25), BH-67 (890-4545-26), BH-68 (890-4545-27), BH-73 (890-4545-28), BH-76 (890-4545-29), BH-84 (890-4545-30), BH-13 (890-4545-31), BH-79 (890-4545-32), SW-23 (890-4545-33), SW-54 (890-4545-34) and SW-64 (890-4545-35).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-51696 and analytical batch 880-51792 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: The laboratory control sample (LCS) for preparation batch 880-51696 and analytical batch 880-51792 recovered outside control limits for the following analytes: Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-27 (890-4545-8), SW-39 (890-4545-10) and SW-42 (890-4545-11). 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: SW-32 (890-4545-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-51920 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-13 (890-4545-31). 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.

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 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-5

Lab Sample ID: 890-4545-1
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202		mg/Kg		04/21/23 11:30	04/24/23 22:59	1
Toluene	<0.00202	U F2 F1	0.00202		mg/Kg		04/21/23 11:30	04/24/23 22:59	1
Ethylbenzene	<0.00202	U F1 *+	0.00202		mg/Kg		04/21/23 11:30	04/24/23 22:59	1
m-Xylene & p-Xylene	<0.00403	U F2 F1 *+	0.00403		mg/Kg		04/21/23 11:30	04/24/23 22:59	1
o-Xylene	<0.00202	U F2 F1 *+	0.00202		mg/Kg		04/21/23 11:30	04/24/23 22:59	1
Xylenes, Total	<0.00403	U F2 F1 *+	0.00403		mg/Kg		04/21/23 11:30	04/24/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/21/23 11:30*	*04/24/23 22:59*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/21/23 11:30*	*04/24/23 22:59*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		4.98		mg/Kg			04/24/23 19:04	1

Client Sample ID: SW-6

Lab Sample ID: 890-4545-2
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:20	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:20	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/24/23 23:20	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:20	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/24/23 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/21/23 11:30*	*04/24/23 23:20*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/21/23 11:30*	*04/24/23 23:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		5.02		mg/Kg			04/24/23 19:18	1

Client Sample ID: SW-15

Lab Sample ID: 890-4545-3
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:41	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-15

Lab Sample ID: 890-4545-3
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:30	04/24/23 23:41	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/24/23 23:41	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/24/23 23:41	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/24/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/21/23 11:30*	*04/24/23 23:41*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:30*	*04/24/23 23:41*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**221**		5.03		mg/Kg			04/24/23 19:35	1

Client Sample ID: SW-17

Lab Sample ID: 890-4545-4
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:01	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:01	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 00:01	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:01	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:01*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:01*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		5.00		mg/Kg			04/24/23 19:40	1

Client Sample ID: SW-21

Lab Sample ID: 890-4545-5
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:30	04/25/23 00:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:30	04/25/23 00:22	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		04/21/23 11:30	04/25/23 00:22	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		04/21/23 11:30	04/25/23 00:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-21

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		04/21/23 11:30	04/25/23 00:22	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		04/21/23 11:30	04/25/23 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:22*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		4.99		mg/Kg			04/24/23 19:45	1

Client Sample ID: SW-24

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-6
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		04/21/23 11:30	04/25/23 00:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:43	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:43	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		04/21/23 11:30	04/25/23 00:43	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 00:43	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		04/21/23 11:30	04/25/23 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:43*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:30*	*04/25/23 00:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**324**		4.97		mg/Kg			04/24/23 20:00	1

Client Sample ID: SW-26

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-7
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		04/21/23 11:30	04/25/23 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 01:03	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 01:03	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 01:03	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 01:03	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 01:03	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-26

Lab Sample ID: 890-4545-7
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/21/23 11:30	04/25/23 01:03	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/21/23 11:30	04/25/23 01:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.4**		5.03		mg/Kg			04/24/23 20:05	1

Client Sample ID: SW-27

Lab Sample ID: 890-4545-8
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:29	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:29	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 03:29	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:29	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	04/21/23 11:30	04/25/23 03:29	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/21/23 11:30	04/25/23 03:29	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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		5.02		mg/Kg			04/24/23 20:09	1

Client Sample ID: SW-32

Lab Sample ID: 890-4545-9
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		04/21/23 11:30	04/25/23 01:24	20
Toluene	**0.128**		0.0402		mg/Kg		04/21/23 11:30	04/25/23 01:24	20
Ethylbenzene	**0.856**	*+	0.0402		mg/Kg		04/21/23 11:30	04/25/23 01:24	20
m-Xylene & p-Xylene	**1.90**	*+	0.0805		mg/Kg		04/21/23 11:30	04/25/23 01:24	20
o-Xylene	**1.06**	*+	0.0402		mg/Kg		04/21/23 11:30	04/25/23 01:24	20
Xylenes, Total	**2.96**	*+	0.0805		mg/Kg		04/21/23 11:30	04/25/23 01:24	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	04/21/23 11:30	04/25/23 01:24	20
1,4-Difluorobenzene (Surr)	108		70 - 130	04/21/23 11:30	04/25/23 01:24	20

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-32

Lab Sample ID: 890-4545-9
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.94**		0.0805		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**999**		5.00		mg/Kg			04/24/23 20:14	1

Client Sample ID: SW-39

Lab Sample ID: 890-4545-10
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.142**		0.0401		mg/Kg		04/21/23 11:30	04/25/23 01:45	20
Toluene	**0.0735**		0.0401		mg/Kg		04/21/23 11:30	04/25/23 01:45	20
Ethylbenzene	**0.0567**	***+**	0.0401		mg/Kg		04/21/23 11:30	04/25/23 01:45	20
m-Xylene & p-Xylene	**0.151**	***+**	0.0802		mg/Kg		04/21/23 11:30	04/25/23 01:45	20
o-Xylene	**0.0958**	***+**	0.0401		mg/Kg		04/21/23 11:30	04/25/23 01:45	20
Xylenes, Total	**0.247**	***+**	0.0802		mg/Kg		04/21/23 11:30	04/25/23 01:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*04/21/23 11:30*	*04/25/23 01:45*	*20*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/21/23 11:30*	*04/25/23 01:45*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.519**		0.0802		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**495**		5.00		mg/Kg			04/24/23 20:19	1

Client Sample ID: SW-42

Lab Sample ID: 890-4545-11
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:30	04/25/23 02:05	20
Toluene	<0.0398	U	0.0398		mg/Kg		04/21/23 11:30	04/25/23 02:05	20
Ethylbenzene	**0.117**	***+**	0.0398		mg/Kg		04/21/23 11:30	04/25/23 02:05	20
m-Xylene & p-Xylene	**0.281**	***+**	0.0797		mg/Kg		04/21/23 11:30	04/25/23 02:05	20
o-Xylene	**0.433**	***+**	0.0398		mg/Kg		04/21/23 11:30	04/25/23 02:05	20
Xylenes, Total	**0.714**	***+**	0.0797		mg/Kg		04/21/23 11:30	04/25/23 02:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*04/21/23 11:30*	*04/25/23 02:05*	*20*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:30*	*04/25/23 02:05*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.831**		0.0797		mg/Kg			04/25/23 11:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-42

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-11
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	572		5.01		mg/Kg			04/24/23 20:24	1

Client Sample ID: SW-45

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-12
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		04/21/23 11:30	04/25/23 03:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:50	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:50	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 03:50	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 03:50	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/21/23 11:30*	*04/25/23 03:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/21/23 11:30*	*04/25/23 03:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		4.99		mg/Kg			04/24/23 20:38	1

Client Sample ID: SW-51

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 04:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 04:11	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 04:11	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 04:11	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 04:11	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:11*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		4.95		mg/Kg			04/24/23 20:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-53

Lab Sample ID: 890-4545-14
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:30	04/25/23 04:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:30	04/25/23 04:31	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		04/21/23 11:30	04/25/23 04:31	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		04/21/23 11:30	04/25/23 04:31	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		04/21/23 11:30	04/25/23 04:31	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		04/21/23 11:30	04/25/23 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:31*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		4.99		mg/Kg			04/24/23 20:58	1

Client Sample ID: SW-60

Lab Sample ID: 890-4545-15
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 04:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 04:52	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 04:52	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 04:52	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 04:52	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:52*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:30*	*04/25/23 04:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		5.04		mg/Kg			04/24/23 21:03	1

Client Sample ID: SW-65

Lab Sample ID: 890-4545-16
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 05:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:30	04/25/23 05:13	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-65

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-16
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		04/21/23 11:30	04/25/23 05:13	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 05:13	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/21/23 11:30	04/25/23 05:13	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/21/23 11:30	04/25/23 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:13*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**565**		5.05		mg/Kg			04/24/23 21:07	1

Client Sample ID: SW-66

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-17
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		04/21/23 11:30	04/25/23 05:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 05:33	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 05:33	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 05:33	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 05:33	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/21/23 11:30	04/25/23 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:33*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:33*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**237**		4.99		mg/Kg			04/24/23 21:12	1

Client Sample ID: SW-67

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-18
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		04/21/23 11:30	04/25/23 05:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:30	04/25/23 05:54	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		04/21/23 11:30	04/25/23 05:54	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		04/21/23 11:30	04/25/23 05:54	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-67

Lab Sample ID: 890-4545-18
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		04/21/23 11:30	04/25/23 05:54	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		04/21/23 11:30	04/25/23 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:54*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/21/23 11:30*	*04/25/23 05:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3310**		25.0		mg/Kg			04/24/23 21:17	5

Client Sample ID: SW-68

Lab Sample ID: 890-4545-19
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 06:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/25/23 06:15	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 06:15	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		04/21/23 11:30	04/25/23 06:15	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		04/21/23 11:30	04/25/23 06:15	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		04/21/23 11:30	04/25/23 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/21/23 11:30*	*04/25/23 06:15*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/21/23 11:30*	*04/25/23 06:15*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		5.02		mg/Kg			04/24/23 21:22	1

Client Sample ID: BH-23

Lab Sample ID: 890-4545-20
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:30	04/25/23 08:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:30	04/25/23 08:29	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		04/21/23 11:30	04/25/23 08:29	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		04/21/23 11:30	04/25/23 08:29	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		04/21/23 11:30	04/25/23 08:29	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		04/21/23 11:30	04/25/23 08:29	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-23

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-20
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/21/23 11:30*	*04/25/23 08:29*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/21/23 11:30*	*04/25/23 08:29*	*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			04/25/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		4.96		mg/Kg			04/24/23 21:27	1

Client Sample ID: BH-19

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-21
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		04/21/23 11:32	04/25/23 11:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/21/23 11:32	04/25/23 11:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/21/23 11:32	04/25/23 11:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/21/23 11:32	04/25/23 11:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/21/23 11:32	04/25/23 11:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/21/23 11:32	04/25/23 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/21/23 11:32*	*04/25/23 11:47*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/21/23 11:32*	*04/25/23 11:47*	*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			04/25/23 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5550**		50.2		mg/Kg			04/22/23 23:53	10

Client Sample ID: BH-20

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-22
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		04/21/23 11:32	04/25/23 12:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 12:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:07*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:07*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-20

Lab Sample ID: 890-4545-22
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5830**		49.9		mg/Kg			04/22/23 23:57	10

Client Sample ID: BH-25

Lab Sample ID: 890-4545-23
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 12:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 11:32	04/25/23 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 11:32	04/25/23 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:28*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:28*	*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			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1760**		25.0		mg/Kg			04/23/23 00:02	5

Client Sample ID: BH-26

Lab Sample ID: 890-4545-24
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 12:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 12:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:49*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/21/23 11:32*	*04/25/23 12:49*	*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			04/25/23 15:03	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-26

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5610**		50.0		mg/Kg			04/23/23 00:07	10

Client Sample ID: BH-64

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-25
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		04/21/23 11:32	04/25/23 13:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 13:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 13:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/21/23 11:32	04/25/23 13:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 13:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/21/23 11:32	04/25/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**691**		5.02		mg/Kg			04/23/23 00:11	1

Client Sample ID: BH-67

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-26
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		04/21/23 11:32	04/25/23 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 13:31	1
Ethylbenzene	**0.00255**		0.00200		mg/Kg		04/21/23 11:32	04/25/23 13:31	1
m-Xylene & p-Xylene	**0.00647**		0.00401		mg/Kg		04/21/23 11:32	04/25/23 13:31	1
o-Xylene	**0.00415**		0.00200		mg/Kg		04/21/23 11:32	04/25/23 13:31	1
Xylenes, Total	**0.0106**		0.00401		mg/Kg		04/21/23 11:32	04/25/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0132**		0.00401		mg/Kg			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1590**		25.2		mg/Kg			04/23/23 00:16	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-68

Lab Sample ID: 890-4545-27
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:32	04/25/23 13:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 13:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 13:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/21/23 11:32	04/25/23 13:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 13:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/23 11:32	04/25/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:52*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/21/23 11:32*	*04/25/23 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		24.9		mg/Kg			04/23/23 00:29	5

Client Sample ID: BH-73

Lab Sample ID: 890-4545-28
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 14:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 14:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 14:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 14:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 14:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/21/23 11:32*	*04/25/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/21/23 11:32*	*04/25/23 14:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		4.98		mg/Kg			04/23/23 00:34	1

Client Sample ID: BH-76

Lab Sample ID: 890-4545-29
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 14:33	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-76

Lab Sample ID: 890-4545-29
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.00920		0.00200		mg/Kg		04/21/23 11:32	04/25/23 14:33	1
m-Xylene & p-Xylene	0.0231		0.00399		mg/Kg		04/21/23 11:32	04/25/23 14:33	1
o-Xylene	0.0162		0.00200		mg/Kg		04/21/23 11:32	04/25/23 14:33	1
Xylenes, Total	0.0393		0.00399		mg/Kg		04/21/23 11:32	04/25/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/21/23 11:32*	*04/25/23 14:33*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/21/23 11:32*	*04/25/23 14:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0485		0.00399		mg/Kg			04/25/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		4.98		mg/Kg			04/23/23 00:48	1

Client Sample ID: BH-84

Lab Sample ID: 890-4545-30
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 16:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 16:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 16:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 16:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 11:32	04/25/23 16:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 11:32	04/25/23 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/21/23 11:32*	*04/25/23 16:18*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/21/23 11:32*	*04/25/23 16:18*	*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			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	536		5.04		mg/Kg			04/23/23 00:52	1

Client Sample ID: BH-13

Lab Sample ID: 890-4545-31
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.114		0.0401		mg/Kg		04/21/23 11:32	04/25/23 14:54	20
Toluene	0.119		0.0401		mg/Kg		04/21/23 11:32	04/25/23 14:54	20
Ethylbenzene	0.986		0.0401		mg/Kg		04/21/23 11:32	04/25/23 14:54	20
m-Xylene & p-Xylene	1.83		0.0802		mg/Kg		04/21/23 11:32	04/25/23 14:54	20

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-13

Lab Sample ID: 890-4545-31
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.959		0.0401		mg/Kg		04/21/23 11:32	04/25/23 14:54	20
Xylenes, Total	2.79		0.0802		mg/Kg		04/21/23 11:32	04/25/23 14:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*04/21/23 11:32*	*04/25/23 14:54*	*20*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/21/23 11:32*	*04/25/23 14:54*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.01		0.0802		mg/Kg			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		25.1		mg/Kg			04/23/23 00:57	5

Client Sample ID: BH-79

Lab Sample ID: 890-4545-32
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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		04/21/23 11:32	04/25/23 16:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 16:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 16:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/21/23 11:32	04/25/23 16:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 11:32	04/25/23 16:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/23 11:32	04/25/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/21/23 11:32*	*04/25/23 16:39*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/21/23 11:32*	*04/25/23 16:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		25.2		mg/Kg			04/23/23 01:01	5

Client Sample ID: SW-23

Lab Sample ID: 890-4545-33
Matrix: Solid
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 17:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 17:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 17:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 11:32	04/25/23 17:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 17:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 11:32	04/25/23 17:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-23

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-33

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/21/23 11:32	04/25/23 17:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/21/23 11:32	04/25/23 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**513**		5.03		mg/Kg			04/23/23 01:06	1

Client Sample ID: SW-54

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-34

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		04/21/23 11:32	04/25/23 17:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 17:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 17:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/21/23 11:32	04/25/23 17:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/21/23 11:32	04/25/23 17:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/21/23 11:32	04/25/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/21/23 11:32	04/25/23 17:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/21/23 11:32	04/25/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**559**		5.01		mg/Kg			04/23/23 01:10	1

Client Sample ID: SW-64

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-35

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		04/21/23 11:32	04/25/23 17:41	1
Toluene	**0.00249**		0.00202		mg/Kg		04/21/23 11:32	04/25/23 17:41	1
Ethylbenzene	**0.0119**		0.00202		mg/Kg		04/21/23 11:32	04/25/23 17:41	1
m-Xylene & p-Xylene	**0.0193**		0.00404		mg/Kg		04/21/23 11:32	04/25/23 17:41	1
o-Xylene	**0.0180**		0.00202		mg/Kg		04/21/23 11:32	04/25/23 17:41	1
Xylenes, Total	**0.0373**		0.00404		mg/Kg		04/21/23 11:32	04/25/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/21/23 11:32	04/25/23 17:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/21/23 11:32	04/25/23 17:41	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-64
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-35
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0517		0.00404		mg/Kg			04/26/23 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		24.8		mg/Kg			04/23/23 01:15	5

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

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)
890-4545-1	SW-5	109	89
890-4545-1 MS	SW-5	131 S1+	99
890-4545-1 MSD	SW-5	93	81
890-4545-2	SW-6	104	84
890-4545-3	SW-15	124	108
890-4545-4	SW-17	127	113
890-4545-5	SW-21	109	102
890-4545-6	SW-24	118	108
890-4545-7	SW-26	111	105
890-4545-8	SW-27	67 S1-	111
890-4545-9	SW-32	169 S1+	108
890-4545-10	SW-39	162 S1+	113
890-4545-11	SW-42	143 S1+	108
890-4545-12	SW-45	112	96
890-4545-13	SW-51	125	102
890-4545-14	SW-53	124	104
890-4545-15	SW-60	122	108
890-4545-16	SW-65	127	108
890-4545-17	SW-66	112	102
890-4545-18	SW-67	123	110
890-4545-19	SW-68	119	96
890-4545-20	BH-23	114	106
890-4545-21	BH-19	101	105
890-4545-21 MS	BH-19	106	100
890-4545-21 MSD	BH-19	110	103
890-4545-22	BH-20	105	114
890-4545-23	BH-25	110	116
890-4545-24	BH-26	101	112
890-4545-25	BH-64	118	105
890-4545-26	BH-67	116	112
890-4545-27	BH-68	103	109
890-4545-28	BH-73	113	115
890-4545-29	BH-76	98	108
890-4545-30	BH-84	111	111
890-4545-31	BH-13	161 S1+	110
890-4545-32	BH-79	114	116
890-4545-33	SW-23	111	106
890-4545-34	SW-54	119	110
890-4545-35	SW-64	110	105
LCS 880-51696/1-A	Lab Control Sample	136 S1+	92
LCS 880-51697/1-A	Lab Control Sample	105	102
LCSD 880-51696/2-A	Lab Control Sample Dup	123	89
LCSD 880-51697/2-A	Lab Control Sample Dup	111	101
MB 880-51696/5-A	Method Blank	104	89
MB 880-51697/5-A	Method Blank	105	93
MB 880-51797/5-A	Method Blank	103	81

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51696/5-A
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/24/23 22:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/24/23 22:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/24/23 22:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 11:30	04/24/23 22:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:30	04/24/23 22:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 11:30	04/24/23 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/21/23 11:30*	*04/24/23 22:37*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/21/23 11:30*	*04/24/23 22:37*	*1*

Lab Sample ID: LCS 880-51696/1-A
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51696

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09835		mg/Kg		98	70 - 130		
Toluene			0.100	0.1064		mg/Kg		106	70 - 130		
Ethylbenzene			0.100	0.1311	*+	mg/Kg		131	70 - 130		
m-Xylene & p-Xylene			0.200	0.2785	*+	mg/Kg		139	70 - 130		
o-Xylene			0.100	0.1416	*+	mg/Kg		142	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-51696/2-A
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51696

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09461		mg/Kg		95	70 - 130	4	35
Toluene			0.100	0.09998		mg/Kg		100	70 - 130	6	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2420		mg/Kg		121	70 - 130	14	35
o-Xylene			0.100	0.1210		mg/Kg		121	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-4545-1 MS
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 51696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U F2 F1	0.0998	0.09549		mg/Kg		96	70 - 130		
Toluene	<0.00202	U F2 F1	0.0998	0.09090		mg/Kg		90	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

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

Lab Sample ID: 890-4545-1 MS
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 51696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1 *+	0.0998	0.09106		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00403	U F2 F1 *+	0.200	0.2003		mg/Kg		100	70 - 130
o-Xylene	<0.00202	U F2 F1 *+	0.0998	0.1027		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-4545-1 MSD
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 51696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.0990	0.04537	F2 F1	mg/Kg		46	70 - 130	71	35
Toluene	<0.00202	U F2 F1	0.0990	0.05600	F2 F1	mg/Kg		56	70 - 130	48	35
Ethylbenzene	<0.00202	U F1 *+	0.0990	0.06495	F1	mg/Kg		66	70 - 130	33	35
m-Xylene & p-Xylene	<0.00403	U F2 F1 *+	0.198	0.1164	F2 F1	mg/Kg		59	70 - 130	53	35
o-Xylene	<0.00202	U F2 F1 *+	0.0990	0.05980	F2 F1	mg/Kg		60	70 - 130	53	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: MB 880-51697/5-A
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 11:32	04/25/23 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 11:32	04/25/23 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 11:32	04/25/23 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/21/23 11:32*	*04/25/23 11:25*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/21/23 11:32*	*04/25/23 11:25*	*1*

Lab Sample ID: LCS 880-51697/1-A
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51697

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1260		mg/Kg		126	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

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

Lab Sample ID: LCS 880-51697/1-A
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51697

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			0.100	0.1091		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.1120		mg/Kg		112	70 - 130		
m-Xylene & p-Xylene			0.200	0.2238		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1104		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-51697/2-A
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51697

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1212		mg/Kg		121	70 - 130	4	35
Toluene			0.100	0.1111		mg/Kg		111	70 - 130	2	35
Ethylbenzene			0.100	0.1183		mg/Kg		118	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2414		mg/Kg		121	70 - 130	8	35
o-Xylene			0.100	0.1183		mg/Kg		118	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-4545-21 MS
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: BH-19
Prep Type: Total/NA
Prep Batch: 51697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.0998	0.1028		mg/Kg		102	70 - 130		
Toluene	<0.00202	U	0.0998	0.09006		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.09408		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1884		mg/Kg		94	70 - 130		
o-Xylene	<0.00202	U	0.0998	0.09273		mg/Kg		93	70 - 130		

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

Lab Sample ID: 890-4545-21 MSD
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: BH-19
Prep Type: Total/NA
Prep Batch: 51697

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	0.09809		mg/Kg		98	70 - 130	5	35
Toluene	<0.00202	U	0.0990	0.08804		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.09396		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1895		mg/Kg		96	70 - 130	1	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

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

Lab Sample ID: 890-4545-21 MSD
Matrix: Solid
Analysis Batch: 51920

Client Sample ID: BH-19
Prep Type: Total/NA
Prep Batch: 51697

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	<0.00202	U	0.0990	0.09357		mg/Kg		95	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-51797/5-A
Matrix: Solid
Analysis Batch: 51792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:40	04/24/23 11:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:40	04/24/23 11:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:40	04/24/23 11:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/24/23 08:40	04/24/23 11:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:40	04/24/23 11:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/23 08:40	04/24/23 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/24/23 08:40*	*04/24/23 11:53*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*04/24/23 08:40*	*04/24/23 11:53*	*1*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51737/1-A
Matrix: Solid
Analysis Batch: 51816

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			04/22/23 22:58	1

Lab Sample ID: LCS 880-51737/2-A
Matrix: Solid
Analysis Batch: 51816

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-51737/3-A
Matrix: Solid
Analysis Batch: 51816

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	245.5		mg/Kg		98	90 - 110	2	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4545-26 MS
Matrix: Solid
Analysis Batch: 51816

Client Sample ID: BH-67
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1590		1260	2877		mg/Kg		102	90 - 110

Lab Sample ID: 890-4545-26 MSD
Matrix: Solid
Analysis Batch: 51816

Client Sample ID: BH-67
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1590		1260	2850		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-51738/1-A
Matrix: Solid
Analysis Batch: 51879

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			04/24/23 18:49	1

Lab Sample ID: LCS 880-51738/2-A
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.1		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-51738/3-A
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.5		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-4545-1 MS
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: SW-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	174		249	402.4		mg/Kg		92	90 - 110

Lab Sample ID: 890-4545-1 MSD
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: SW-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	174		249	401.7		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 890-4545-11 MS
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: SW-42
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	572		251	827.3		mg/Kg		102	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4545-11 MSD
Matrix: Solid
Analysis Batch: 51879

Client Sample ID: SW-42
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	572		251	822.9		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

GC VOA

Prep Batch: 51696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-1	SW-5	Total/NA	Solid	5035	
890-4545-2	SW-6	Total/NA	Solid	5035	
890-4545-3	SW-15	Total/NA	Solid	5035	
890-4545-4	SW-17	Total/NA	Solid	5035	
890-4545-5	SW-21	Total/NA	Solid	5035	
890-4545-6	SW-24	Total/NA	Solid	5035	
890-4545-7	SW-26	Total/NA	Solid	5035	
890-4545-8	SW-27	Total/NA	Solid	5035	
890-4545-9	SW-32	Total/NA	Solid	5035	
890-4545-10	SW-39	Total/NA	Solid	5035	
890-4545-11	SW-42	Total/NA	Solid	5035	
890-4545-12	SW-45	Total/NA	Solid	5035	
890-4545-13	SW-51	Total/NA	Solid	5035	
890-4545-14	SW-53	Total/NA	Solid	5035	
890-4545-15	SW-60	Total/NA	Solid	5035	
890-4545-16	SW-65	Total/NA	Solid	5035	
890-4545-17	SW-66	Total/NA	Solid	5035	
890-4545-18	SW-67	Total/NA	Solid	5035	
890-4545-19	SW-68	Total/NA	Solid	5035	
890-4545-20	BH-23	Total/NA	Solid	5035	
MB 880-51696/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51696/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51696/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4545-1 MS	SW-5	Total/NA	Solid	5035	
890-4545-1 MSD	SW-5	Total/NA	Solid	5035	

Prep Batch: 51697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-21	BH-19	Total/NA	Solid	5035	
890-4545-22	BH-20	Total/NA	Solid	5035	
890-4545-23	BH-25	Total/NA	Solid	5035	
890-4545-24	BH-26	Total/NA	Solid	5035	
890-4545-25	BH-64	Total/NA	Solid	5035	
890-4545-26	BH-67	Total/NA	Solid	5035	
890-4545-27	BH-68	Total/NA	Solid	5035	
890-4545-28	BH-73	Total/NA	Solid	5035	
890-4545-29	BH-76	Total/NA	Solid	5035	
890-4545-30	BH-84	Total/NA	Solid	5035	
890-4545-31	BH-13	Total/NA	Solid	5035	
890-4545-32	BH-79	Total/NA	Solid	5035	
890-4545-33	SW-23	Total/NA	Solid	5035	
890-4545-34	SW-54	Total/NA	Solid	5035	
890-4545-35	SW-64	Total/NA	Solid	5035	
MB 880-51697/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51697/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51697/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4545-21 MS	BH-19	Total/NA	Solid	5035	
890-4545-21 MSD	BH-19	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

GC VOA

Analysis Batch: 51792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-1	SW-5	Total/NA	Solid	8021B	51696
890-4545-2	SW-6	Total/NA	Solid	8021B	51696
890-4545-3	SW-15	Total/NA	Solid	8021B	51696
890-4545-4	SW-17	Total/NA	Solid	8021B	51696
890-4545-5	SW-21	Total/NA	Solid	8021B	51696
890-4545-6	SW-24	Total/NA	Solid	8021B	51696
890-4545-7	SW-26	Total/NA	Solid	8021B	51696
890-4545-8	SW-27	Total/NA	Solid	8021B	51696
890-4545-9	SW-32	Total/NA	Solid	8021B	51696
890-4545-10	SW-39	Total/NA	Solid	8021B	51696
890-4545-11	SW-42	Total/NA	Solid	8021B	51696
890-4545-12	SW-45	Total/NA	Solid	8021B	51696
890-4545-13	SW-51	Total/NA	Solid	8021B	51696
890-4545-14	SW-53	Total/NA	Solid	8021B	51696
890-4545-15	SW-60	Total/NA	Solid	8021B	51696
890-4545-16	SW-65	Total/NA	Solid	8021B	51696
890-4545-17	SW-66	Total/NA	Solid	8021B	51696
890-4545-18	SW-67	Total/NA	Solid	8021B	51696
890-4545-19	SW-68	Total/NA	Solid	8021B	51696
890-4545-20	BH-23	Total/NA	Solid	8021B	51696
MB 880-51696/5-A	Method Blank	Total/NA	Solid	8021B	51696
MB 880-51797/5-A	Method Blank	Total/NA	Solid	8021B	51797
LCS 880-51696/1-A	Lab Control Sample	Total/NA	Solid	8021B	51696
LCSD 880-51696/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51696
890-4545-1 MS	SW-5	Total/NA	Solid	8021B	51696
890-4545-1 MSD	SW-5	Total/NA	Solid	8021B	51696

Prep Batch: 51797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-51797/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 51920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-21	BH-19	Total/NA	Solid	8021B	51697
890-4545-22	BH-20	Total/NA	Solid	8021B	51697
890-4545-23	BH-25	Total/NA	Solid	8021B	51697
890-4545-24	BH-26	Total/NA	Solid	8021B	51697
890-4545-25	BH-64	Total/NA	Solid	8021B	51697
890-4545-26	BH-67	Total/NA	Solid	8021B	51697
890-4545-27	BH-68	Total/NA	Solid	8021B	51697
890-4545-28	BH-73	Total/NA	Solid	8021B	51697
890-4545-29	BH-76	Total/NA	Solid	8021B	51697
890-4545-30	BH-84	Total/NA	Solid	8021B	51697
890-4545-31	BH-13	Total/NA	Solid	8021B	51697
890-4545-32	BH-79	Total/NA	Solid	8021B	51697
890-4545-33	SW-23	Total/NA	Solid	8021B	51697
890-4545-34	SW-54	Total/NA	Solid	8021B	51697
890-4545-35	SW-64	Total/NA	Solid	8021B	51697
MB 880-51697/5-A	Method Blank	Total/NA	Solid	8021B	51697
LCS 880-51697/1-A	Lab Control Sample	Total/NA	Solid	8021B	51697
LCSD 880-51697/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51697

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

GC VOA (Continued)

Analysis Batch: 51920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-21 MS	BH-19	Total/NA	Solid	8021B	51697
890-4545-21 MSD	BH-19	Total/NA	Solid	8021B	51697

Analysis Batch: 51942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-1	SW-5	Total/NA	Solid	Total BTEX	
890-4545-2	SW-6	Total/NA	Solid	Total BTEX	
890-4545-3	SW-15	Total/NA	Solid	Total BTEX	
890-4545-4	SW-17	Total/NA	Solid	Total BTEX	
890-4545-5	SW-21	Total/NA	Solid	Total BTEX	
890-4545-6	SW-24	Total/NA	Solid	Total BTEX	
890-4545-7	SW-26	Total/NA	Solid	Total BTEX	
890-4545-8	SW-27	Total/NA	Solid	Total BTEX	
890-4545-9	SW-32	Total/NA	Solid	Total BTEX	
890-4545-10	SW-39	Total/NA	Solid	Total BTEX	
890-4545-11	SW-42	Total/NA	Solid	Total BTEX	
890-4545-12	SW-45	Total/NA	Solid	Total BTEX	
890-4545-13	SW-51	Total/NA	Solid	Total BTEX	
890-4545-14	SW-53	Total/NA	Solid	Total BTEX	
890-4545-15	SW-60	Total/NA	Solid	Total BTEX	
890-4545-16	SW-65	Total/NA	Solid	Total BTEX	
890-4545-17	SW-66	Total/NA	Solid	Total BTEX	
890-4545-18	SW-67	Total/NA	Solid	Total BTEX	
890-4545-19	SW-68	Total/NA	Solid	Total BTEX	
890-4545-20	BH-23	Total/NA	Solid	Total BTEX	
890-4545-21	BH-19	Total/NA	Solid	Total BTEX	
890-4545-22	BH-20	Total/NA	Solid	Total BTEX	
890-4545-23	BH-25	Total/NA	Solid	Total BTEX	
890-4545-24	BH-26	Total/NA	Solid	Total BTEX	
890-4545-25	BH-64	Total/NA	Solid	Total BTEX	
890-4545-26	BH-67	Total/NA	Solid	Total BTEX	
890-4545-27	BH-68	Total/NA	Solid	Total BTEX	
890-4545-28	BH-73	Total/NA	Solid	Total BTEX	
890-4545-29	BH-76	Total/NA	Solid	Total BTEX	
890-4545-30	BH-84	Total/NA	Solid	Total BTEX	
890-4545-31	BH-13	Total/NA	Solid	Total BTEX	
890-4545-32	BH-79	Total/NA	Solid	Total BTEX	
890-4545-33	SW-23	Total/NA	Solid	Total BTEX	
890-4545-34	SW-54	Total/NA	Solid	Total BTEX	
890-4545-35	SW-64	Total/NA	Solid	Total BTEX	

HPLC/IC

Leach Batch: 51737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-21	BH-19	Soluble	Solid	DI Leach	
890-4545-22	BH-20	Soluble	Solid	DI Leach	
890-4545-23	BH-25	Soluble	Solid	DI Leach	
890-4545-24	BH-26	Soluble	Solid	DI Leach	
890-4545-25	BH-64	Soluble	Solid	DI Leach	
890-4545-26	BH-67	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

HPLC/IC (Continued)

Leach Batch: 51737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-27	BH-68	Soluble	Solid	DI Leach	
890-4545-28	BH-73	Soluble	Solid	DI Leach	
890-4545-29	BH-76	Soluble	Solid	DI Leach	
890-4545-30	BH-84	Soluble	Solid	DI Leach	
890-4545-31	BH-13	Soluble	Solid	DI Leach	
890-4545-32	BH-79	Soluble	Solid	DI Leach	
890-4545-33	SW-23	Soluble	Solid	DI Leach	
890-4545-34	SW-54	Soluble	Solid	DI Leach	
890-4545-35	SW-64	Soluble	Solid	DI Leach	
MB 880-51737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4545-26 MS	BH-67	Soluble	Solid	DI Leach	
890-4545-26 MSD	BH-67	Soluble	Solid	DI Leach	

Leach Batch: 51738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-1	SW-5	Soluble	Solid	DI Leach	
890-4545-2	SW-6	Soluble	Solid	DI Leach	
890-4545-3	SW-15	Soluble	Solid	DI Leach	
890-4545-4	SW-17	Soluble	Solid	DI Leach	
890-4545-5	SW-21	Soluble	Solid	DI Leach	
890-4545-6	SW-24	Soluble	Solid	DI Leach	
890-4545-7	SW-26	Soluble	Solid	DI Leach	
890-4545-8	SW-27	Soluble	Solid	DI Leach	
890-4545-9	SW-32	Soluble	Solid	DI Leach	
890-4545-10	SW-39	Soluble	Solid	DI Leach	
890-4545-11	SW-42	Soluble	Solid	DI Leach	
890-4545-12	SW-45	Soluble	Solid	DI Leach	
890-4545-13	SW-51	Soluble	Solid	DI Leach	
890-4545-14	SW-53	Soluble	Solid	DI Leach	
890-4545-15	SW-60	Soluble	Solid	DI Leach	
890-4545-16	SW-65	Soluble	Solid	DI Leach	
890-4545-17	SW-66	Soluble	Solid	DI Leach	
890-4545-18	SW-67	Soluble	Solid	DI Leach	
890-4545-19	SW-68	Soluble	Solid	DI Leach	
890-4545-20	BH-23	Soluble	Solid	DI Leach	
MB 880-51738/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51738/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51738/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4545-1 MS	SW-5	Soluble	Solid	DI Leach	
890-4545-1 MSD	SW-5	Soluble	Solid	DI Leach	
890-4545-11 MS	SW-42	Soluble	Solid	DI Leach	
890-4545-11 MSD	SW-42	Soluble	Solid	DI Leach	

Analysis Batch: 51816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-21	BH-19	Soluble	Solid	300.0	51737
890-4545-22	BH-20	Soluble	Solid	300.0	51737
890-4545-23	BH-25	Soluble	Solid	300.0	51737
890-4545-24	BH-26	Soluble	Solid	300.0	51737

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

HPLC/IC (Continued)

Analysis Batch: 51816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-25	BH-64	Soluble	Solid	300.0	51737
890-4545-26	BH-67	Soluble	Solid	300.0	51737
890-4545-27	BH-68	Soluble	Solid	300.0	51737
890-4545-28	BH-73	Soluble	Solid	300.0	51737
890-4545-29	BH-76	Soluble	Solid	300.0	51737
890-4545-30	BH-84	Soluble	Solid	300.0	51737
890-4545-31	BH-13	Soluble	Solid	300.0	51737
890-4545-32	BH-79	Soluble	Solid	300.0	51737
890-4545-33	SW-23	Soluble	Solid	300.0	51737
890-4545-34	SW-54	Soluble	Solid	300.0	51737
890-4545-35	SW-64	Soluble	Solid	300.0	51737
MB 880-51737/1-A	Method Blank	Soluble	Solid	300.0	51737
LCS 880-51737/2-A	Lab Control Sample	Soluble	Solid	300.0	51737
LCSD 880-51737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51737
890-4545-26 MS	BH-67	Soluble	Solid	300.0	51737
890-4545-26 MSD	BH-67	Soluble	Solid	300.0	51737

Analysis Batch: 51879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4545-1	SW-5	Soluble	Solid	300.0	51738
890-4545-2	SW-6	Soluble	Solid	300.0	51738
890-4545-3	SW-15	Soluble	Solid	300.0	51738
890-4545-4	SW-17	Soluble	Solid	300.0	51738
890-4545-5	SW-21	Soluble	Solid	300.0	51738
890-4545-6	SW-24	Soluble	Solid	300.0	51738
890-4545-7	SW-26	Soluble	Solid	300.0	51738
890-4545-8	SW-27	Soluble	Solid	300.0	51738
890-4545-9	SW-32	Soluble	Solid	300.0	51738
890-4545-10	SW-39	Soluble	Solid	300.0	51738
890-4545-11	SW-42	Soluble	Solid	300.0	51738
890-4545-12	SW-45	Soluble	Solid	300.0	51738
890-4545-13	SW-51	Soluble	Solid	300.0	51738
890-4545-14	SW-53	Soluble	Solid	300.0	51738
890-4545-15	SW-60	Soluble	Solid	300.0	51738
890-4545-16	SW-65	Soluble	Solid	300.0	51738
890-4545-17	SW-66	Soluble	Solid	300.0	51738
890-4545-18	SW-67	Soluble	Solid	300.0	51738
890-4545-19	SW-68	Soluble	Solid	300.0	51738
890-4545-20	BH-23	Soluble	Solid	300.0	51738
MB 880-51738/1-A	Method Blank	Soluble	Solid	300.0	51738
LCS 880-51738/2-A	Lab Control Sample	Soluble	Solid	300.0	51738
LCSD 880-51738/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51738
890-4545-1 MS	SW-5	Soluble	Solid	300.0	51738
890-4545-1 MSD	SW-5	Soluble	Solid	300.0	51738
890-4545-11 MS	SW-42	Soluble	Solid	300.0	51738
890-4545-11 MSD	SW-42	Soluble	Solid	300.0	51738

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-5

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/24/23 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 19:04	SMC	EET MID

Client Sample ID: SW-6

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/24/23 23:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 19:18	SMC	EET MID

Client Sample ID: SW-15

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/24/23 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 19:35	SMC	EET MID

Client Sample ID: SW-17

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 00:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 19:40	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-21

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-5

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			4.97 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 19:45	SMC	EET MID

Client Sample ID: SW-24

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-6

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	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 00:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:00	SMC	EET MID

Client Sample ID: SW-26

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-7

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	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:05	SMC	EET MID

Client Sample ID: SW-27

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-8

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			5.03 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:09	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-32
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	51792	04/25/23 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:14	SMC	EET MID

Client Sample ID: SW-39
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	51792	04/25/23 01:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:19	SMC	EET MID

Client Sample ID: SW-42
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	51792	04/25/23 02:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:24	SMC	EET MID

Client Sample ID: SW-45
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:38	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-51

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:43	SMC	EET MID

Client Sample ID: SW-53

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-14

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			5.05 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 20:58	SMC	EET MID

Client Sample ID: SW-60

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 21:03	SMC	EET MID

Client Sample ID: SW-65

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-16

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			5.03 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 21:07	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-66

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-17
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			5.01 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 21:12	SMC	EET MID

Client Sample ID: SW-67

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-18
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			4.97 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51879	04/24/23 21:17	SMC	EET MID

Client Sample ID: SW-68

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 21:22	SMC	EET MID

Client Sample ID: BH-23

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	51696	04/21/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51792	04/25/23 08:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	51738	04/21/23 14:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51879	04/24/23 21:27	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-19

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-21

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			4.96 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 11:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 12:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51816	04/22/23 23:53	SMC	EET MID

Client Sample ID: BH-20

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 12:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51816	04/22/23 23:57	SMC	EET MID

Client Sample ID: BH-25

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-23

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			5.01 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 00:02	SMC	EET MID

Client Sample ID: BH-26

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-24

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	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51816	04/23/23 00:07	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-64

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-25

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			4.97 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 00:11	SMC	EET MID

Client Sample ID: BH-67

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-26

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			4.99 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 00:16	SMC	EET MID

Client Sample ID: BH-68

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-27

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			5.05 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 00:29	SMC	EET MID

Client Sample ID: BH-73

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-28

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			5.03 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 00:34	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: BH-76
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-29
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			5.01 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/25/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 00:48	SMC	EET MID

Client Sample ID: BH-84
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 00:52	SMC	EET MID

Client Sample ID: BH-13
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	51920	04/25/23 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 00:57	SMC	EET MID

Client Sample ID: BH-79
Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-32
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			5.05 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 01:01	SMC	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Client Sample ID: SW-23

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-33
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			5.01 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 01:06	SMC	EET MID

Client Sample ID: SW-54

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-34
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			4.97 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/23/23 01:10	SMC	EET MID

Client Sample ID: SW-64

Date Collected: 04/19/23 00:00
Date Received: 04/19/23 15:25

Lab Sample ID: 890-4545-35
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			4.95 g	5 mL	51697	04/21/23 11:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51920	04/25/23 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51942	04/26/23 09:59	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/23/23 01:15	SMC	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 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

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
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Jr Oil - MLMU 271

Job ID: 890-4545-1
SDG: 212C-MD-02890

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4545-1	SW-5	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-2	SW-6	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-3	SW-15	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-4	SW-17	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-5	SW-21	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-6	SW-24	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-7	SW-26	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-8	SW-27	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-9	SW-32	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-10	SW-39	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-11	SW-42	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-12	SW-45	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-13	SW-51	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-14	SW-53	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-15	SW-60	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-16	SW-65	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-17	SW-66	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-18	SW-67	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-19	SW-68	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-20	BH-23	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-21	BH-19	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-22	BH-20	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-23	BH-25	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-24	BH-26	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-25	BH-64	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-26	BH-67	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-27	BH-68	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-28	BH-73	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-29	BH-76	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-30	BH-84	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-31	BH-13	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-32	BH-79	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-33	SW-23	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-34	SW-54	Solid	04/19/23 00:00	04/19/23 15:25
890-4545-35	SW-64	Solid	04/19/23 00:00	04/19/23 15:25

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

890-4545 Chain of Custody

Client Name: Jr 0.1	Site Manager: Brittany Long
Project Name: MLMU 271	(432) 741-5813 Brittany.long@tetratech.com
Project Location: county, state) Lea County, NM	Project #: 2K - MD-02890
Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701	
Receiving Laboratory: Eurofins Lab	Sampler Signature:
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	# CONTAINERS	FILTERED (Y/N)
	SW-5	4.19.23			X			X	1	
	SW-6				X			X	1	
	SW-15				X			X	1	
	SW-17				X			X	1	
	SW-21				X			X	1	
	SW-24				X			X	1	
	SW-26				X			X	1	
	SW-27				X			X	1	
	SW-32				X			X	1	
	SW-39				X			X	1	

ANAL

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
X															X			

	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
1		4-19-23	3:22 pm		4-19-23	1525
2	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
3	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 3.6/3.4 -0-2

REMARKS: Standard TAT

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

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4/26/2023
Page 47 of 52

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Analysis Request of Chain of Custody Record

4/26/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Jr O.1

Site Manager: Brittany Long

Project Name: MLMU 271

(432) 741-5813
Brittany.long@tetratech.com

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

Project #: 212C-MD-02890

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Lab

Sampler Signature:

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance
	SW-42	4.19.23			X			X	1		X													X			
	SW-45				X			X	1		X													X			
	SW-51				X			X	1		X													X			
	SW-53				X			X	1		X													X			
	SW-60				X			X	1		X													X			
	SW-65				X			X	1		X													X			
	SW-66				X			X	1		X													X			
	SW-67				X			X	1		X													X			
	SW-68				X			X	1		X													X			
	BH23	↓			X			X	1		X													X			

Relinquished by: Date: Time:
4-19-23 3:22 pm

Received by:

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

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Analysis Request of Chain of Custody Record

4/26/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Jr Oil

Site Manager: Brittany Long

Project Name: MLMU 271

(432) 741-5813
Brittany.long@tetratech.com

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

Project #: 212C-MD-02890

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Lab

Sampler Signature:

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2022)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)
	BH-19	4.19.23			X			X	1	
	BH-20				X			X	1	
	BH-25				X			X	1	
	BH-26				X			X	1	
	BH-64				X			X	1	
	~~BH67~~ JP BH-67				X			X	1	
	BH-68				X			X	1	
	BH-73				X			X	1	
	BH-76				X			X	1	
	BH-84				X			X	1	

ANALYSIS REQUEST (Circle or Specify Method No.)	
BTEX 8021B	X
BTEX 8260B	X
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	X
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	

Relinquished by: Date: Time:
Jr Fernandez V 4-19-23 3:23

Received by: Date: Time:
Cole Cope 4-19-23

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

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Received by OCD: 6/29/2023 9:15:08 AM

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Analysis Request of Chain of Custody Record

Page 4 of 4

4/26/2023

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Jr Oil

Site Manager: Brittany Long

Project Name: MLMU 271

(432) 741-5813
Brittany.long@tetratech.com

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

Project #: 212C-MD-02890

Invoice to: Accounts Payable 901 West Wall Street, Suit 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Lab

Sampler Signature:

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2022 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)
	BH-13	4.19.23			X			X	1	
(8)	~~BH-23~~				X			X	1	
	BH-79				X			X	1	
	SW-23				X			X	1	
JF	~~SW-43~~				X			X	1	
JF	~~SW-44~~				X			X	1	
JF	~~SW-47~~				X			X	1	
	SW-54				X			X	1	
JF	~~SW-59~~				X			X	1	
	SW-64				X			X	1	

ANALYSIS REQUEST (Circle or Specify Method No.)
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

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Relinquished by: Date: Time:
Jorge Fernandez V 4-19-23 3:22pm

Received by: Date: Time:
4-19-23 1525

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
3.6
3.4
T-NM-007
-0.2

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-4545-1
SDG Number: 212C-MD-02890

Login Number: 4545
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: 890-4545-1
SDG Number: 212C-MD-02890

Login Number: 4545
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 04/21/23 11:08 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

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

May 17, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MLMU 271 (JR OIL)

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 13 (11') (H232459-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.26	
Toluene*	<0.050	0.050	05/17/2023	ND	2.32	116	2.00	0.571	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.25	113	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.87	114	6.00	2.27	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1060**	16.0	05/17/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**18.0**	10.0	05/17/2023	ND	196	98.2	200	5.20	
DRO >C10-C28*	**2010**	10.0	05/17/2023	ND	183	91.4	200	4.19	
EXT DRO >C28-C36	**455**	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane *78.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *128 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 79 (7.5') (H232459-02)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	196	98.2	200	5.20	
DRO >C10-C28*	**78.8**	10.0	05/17/2023	ND	183	91.4	200	4.19	
EXT DRO >C28-C36	**27.2**	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane	*69.1 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*72.0 %*	*49.1-148*

Sample ID: SW - 64 (H232459-03)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	196	98.2	200	5.20	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	183	91.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane	*70.1 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*68.7 %*	*49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 32 (H232459-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.26	
Toluene*	<0.050	0.050	05/17/2023	ND	2.32	116	2.00	0.571	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.25	113	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.87	114	6.00	2.27	
Total BTEX	<0.300	0.300	05/17/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/17/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	196	98.2	200	5.20	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	183	91.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane *71.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *67.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 54 (H232459-05)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	196	98.2	200	5.20	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	183	91.4	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane	*67.6 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*68.2 %*	*49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra tech
Project Manager:	Brittany Long brittany.long@tetratech.com
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	212C-MD-02840 Project Owner:
Project Name:	MLMU 271 (JR 0:1)
Project Location:	Lea County, NM
Sampler Name:	Miguel A Flores

BILL TO

P.O. #:	
Company:	~~Tetra tech~~
Attn:	Accounts Payable Tetra tech
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX 8021B BTEX 8260B	TPH 8015M (GRO DRO-ORO)	Chloride
H232459																	
1	BH-13 (11')					X					X		5/16/23		X	X	X
2	BH-79 (7.5')														X	XX	
3	SW-64														X	X	X
4	SW-32															XX	
5	SW-54																

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Miguel A Flores	Date: 5/16/23 Time: 1615	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS: ~~STANDARD TAT~~

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.0 Corrected Temp. °C 1.4	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☑ 24hrs Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

CARDINAL Laboratories

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

May 18, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JR OIL 271 REMEDIATION

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	JR OIL 271 REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 23 (H232491-01)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane	*94.7 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*96.3 %*	*49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Page 797 of 811

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02890
Project Owner:	
Project Name:	JR 01 271 Remediation
Project Location:	Lea County, NM
Sampler Name:	

BILL TO

P.O. #:	
Company:	Tetra Tech
Attn:	Brittany Long
Address:	
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	

ANALYSIS REQUEST

TP H 8015M (GRO - DRO - MRO)

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TP H 8015M (GRO - DRO - MRO)
H233491-1	SW-23		1			X					X		5-17-23	8:00	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 5-17-23	Received By:	
	Time: 17:00		
Relinquished By:	Date:	Received By:	
	Time:		

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

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	6.4	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	5.8			

Turnaround Time: Standard ☐ Rush ☒
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

CARDINAL Laboratories

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

May 19, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JR OIL - MLMU 271

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	JR OIL - MLMU 271	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 13 (11.5') (H232518-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.43	122	2.00	6.28	
Toluene*	<0.050	0.050	05/18/2023	ND	2.41	120	2.00	6.93	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.35	118	2.00	7.24	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	7.14	119	6.00	7.26	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 801 of 811

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra tech	BILL TO P.O. #:	
Project Manager:	Brittany Long brittany.long@tetratech.com	Company:	
Address:		Attn:	Accounts Payable Tetra Tech
City:	State: Zip:	Address:	901 W. Wall St. Ste 100
Phone #:	Fax #:	City:	Midland, Tx
Project #:	212C-MD-02890 Project Owner:	State: TX Zip:	79701
Project Name:	JR 011 - ML MU 271	Phone #:	
Project Location:	Lea County, NM	Fax #:	
Sampler Name:	Myrna Flores		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	BTEX 8021B	TPH 8015M (GRO - DRO - ORO)	Chlorides
H232518																		
1	BH-13 (11.5')					X					X		5/18/23		X	X	X	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Myrna Flores	Date: 5/18/23 Time: 1300	Received By: S Rodriguez
Relinquished By:		Date: Time:	Received By:

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

REMARKS: 24hrs TAT

Delivered By: (Circle One)	Observed Temp. °C 6.1	Sample Condition Cool: ☐ Yes ☑ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) SR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.5			

Turnaround Time: Standard ☐ Rush ☒
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C
Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

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

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

CARDINAL Laboratories

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

May 25, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MLMU 271 (JR OIL)

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 15:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Solid
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 49 (6.5') (H232586-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/23/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	**311**	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	**30.5**	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane *91.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Solid
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 51 (6.5') (H232586-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	05/23/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	**102**	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	**12.6**	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane *59.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *59.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Solid
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 56 (4') (H232586-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/23/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	**162**	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	**21.7**	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane *50.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *53.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/25/2023	Sampling Type:	Solid
Project Name:	MLMU 271 (JR OIL)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02890	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: BH - 58 (4') (H232586-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/23/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	**17.8**	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane *96.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Chain of Custody Record Page 1 of 1

Tetra Tech, Inc.

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

Client Name: JR Oil	Site Manager: Brittany Long
Project Name: MLMU 271	(432) 741-5813 brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02840
Invoice to: ATTN: Accounts payable Tetra tech 901 W. Wall street, Ste 100 Midland, Tx 79701	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Miguel F. 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	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
H233554		YEAR: ~~2022~~ 2023									
1	BH-44 (6.5')	5/22/23			X			X			
2	BH-51 (6.5')	"			"			"			
3	BH-56 (4')	"			"			"			
4	BH-58 (4')	"			"			"			

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ~~ORO~~ - MRO) M.F.	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	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
X			X												X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel F. Flores	5/22/23	1541	S Rodriguez	5/22/23	1541
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

- [X] STANDARD
- [ ] 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

Received by OCD: 6/29/2023 9:25:08 AM

Released to Imaging: 9/21/2023 3:26:25 PM

TETRA TECH

Appendix E

State Correspondence

Long, Brittany

From: Long, Brittany
Sent: Wednesday, January 11, 2023 11:25 AM
To: Enviro, OCD, EMNRD
Subject: JR Oil Myers Langlie Mattix Unit #271 (nAPP2200461719) 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 #271 (nAPP2200461719) remediation starting on Friday, January 13, 2023 at 10:25 AM. These samples will be placed within the remediation 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

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TETRA TECH

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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 234270

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 234270
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/21/2023