

SITE INFORMATION

Report Type: Closure Report 1RP-4668 NOY1709737693

General Site Information:

Site:	East Eumont Battery					
Company:	JR Oil LTD					
Section, Township and Range	Unit M	Sec. 03	T 19S	R 37E		
Lease Number:						
County:	Lea County					
GPS:	32.68473			-103.24536		
Surface Owner:	Private: Lea County Partners					
Mineral Owner:						
Directions:	From intersection of US-62 and NM-8, head east on 62 and follow for 1.01 miles. Turn right (south) on lease road, and follow for 0.80 miles. Turn left (east) onto lease road, follow for 0.12 miles. Location on the right.					

Release Data:

Date Released:	3/31/2017
Type Release:	Produced Water
Source of Contamination:	4" in steel water line
Fluid Released:	132 bbl water
Fluids Recovered:	15 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@tetrattech.com

Site Characterization

Depth to Groundwater:	20.26' 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	100 mg/kg	100 mg/kg	600 mg/kg



July 16, 2024

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

**RE: Closure Report
JR Oil, LTD. CO.
East Eumont Battery
Lea County, New Mexico
1RP-4668
NOY1709737693**

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 East Eumont Battery, Unit M, Section 3, Township 19 South, Range 37 East, Lea County, New Mexico (Site). The spill site coordinates are 32.68473°, -103.24536°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release in the East Eumont Battery resulted from a 4" steel water line, causing the release of 132 bbls of produced water, the release was started from a heater treater and migrated into the pasture. Additionally, approximately 15 bbls of produced water were recovered. On March 31, 2017, the release was discovered, and on April 3, 2017, the release was reported to the New Mexico 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**.



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 boundary, 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 two 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 112 ft bgs with a measured water level of 26 ft bgs and is approximately 0.30 miles of the Site. The second well reported on the USGS National Water Information System reports a total depth of 120 ft bgs with a measured water level of 20.26 bgs and is approximately 0.40 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
0.30 Miles	6/22/1956	NMOSE	112'	26'
0.40 Miles	6/10/1976	USGS	120'	20.26'

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 for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the RRAL for chlorides is 600 mg/kg.

Site Assessment Activities

Tetra Tech conducted site assessment activities on May 31st, 2023. A total of six (6) exploratory bores (AH-1 through AH-6) were installed to total depths ranging from surface (0 ft bgs) to 1.0 ft bgs, to attempt to assess an investigative area. Deeper samples were not obtained from exploratory bores (AH-1 through AH-6) due to dense geological formation. Additionally, a total of six (6) horizontal exploratory bores (H-1 through H-6) were installed at surface depths, to



horizontally assess the soil directly outside of the investigative area. The investigative area and exploratory bore locations are shown on **Figure 3**.

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

Referring to Table 1, exploratory bore (AH-3) indicated a chloride concentration above RRLs, with a concentration of 688 mg/kg, at a depth ranging from surface to 1.0 ft bgs. All other exploratory bores (AH-1, AH-2, and AH-4 through AH-6) did not indicate chloride concentrations above RRLs. Additionally, exploratory bores (AH-1 through AH-6) did not indicate benzene, BTEX, or TPH concentrations above RRLs. Horizontal exploratory bores (H-1 through H-6) did not indicate benzene, BTEX, or TPH concentrations above RRLs. Additionally, all horizontal exploratory bores did not indicate chloride concentrations above RRLs, with the exception of horizontal exploratory bore (H-1), with a concentration of 619 mg/kg, at a depth ranging from surface to 1.0 ft bgs.

Remediation Activities

JR Oil conducted remediation activities from February 12, 2024, through April 12, 2024. The determined areas of impact were excavated to depths ranging from 1.0 ft bgs to 1.25 ft bgs. The remediation areas and depths are shown on **Figure 4A & 4B**.

Following remediation activities, 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 excavation. 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. A C-141N was submitted prior to the collection of the confirmation samples, which are included in **Appendix A**. A total of seventeen (17) bottom holes (BH-1 through BH-17) were collected and a total of nine (9) sidewalls (SW-1 through SW-9) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

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

Conclusions

Based on the C-141 (1RP-4668 / NOY1709737693) 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 RRLs 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 activities, the RRLs of 600 mg/kg for chlorides, 100 mg/kg for TPH (DRO + GRO + ORO) were followed for the site.



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 165 cubic yards of impacted soil within the southwest area of battery and pasture area 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.

The disturbed area was approximately 3,448 square feet and following backfill of the disturbed area, the site was seeded for sites with gravelly loam to loam soil composition. Revegetation of the site will be monitored, following the rain season (March through June) and if vegetation has not progressed, the site will be reseeded as needed to meet the requirement of 50 percent life-form coverage and at least 70 percent plant cover based on pre-disturbed levels, as stated by the NMOCD. Following the proper vegetation of the site, a vegetation report will be submitted to prove restoration of the site and will request full closure. The soil survey data is shown **Appendix D**.

Based on this information, it is recommended that this Site requires no further remedial action. The 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

A handwritten signature in black ink, appearing to read 'Miguel Flores'.

Miguel Flores,
Field Tech IV

A handwritten signature in black ink, appearing to read 'Brittany Long'.

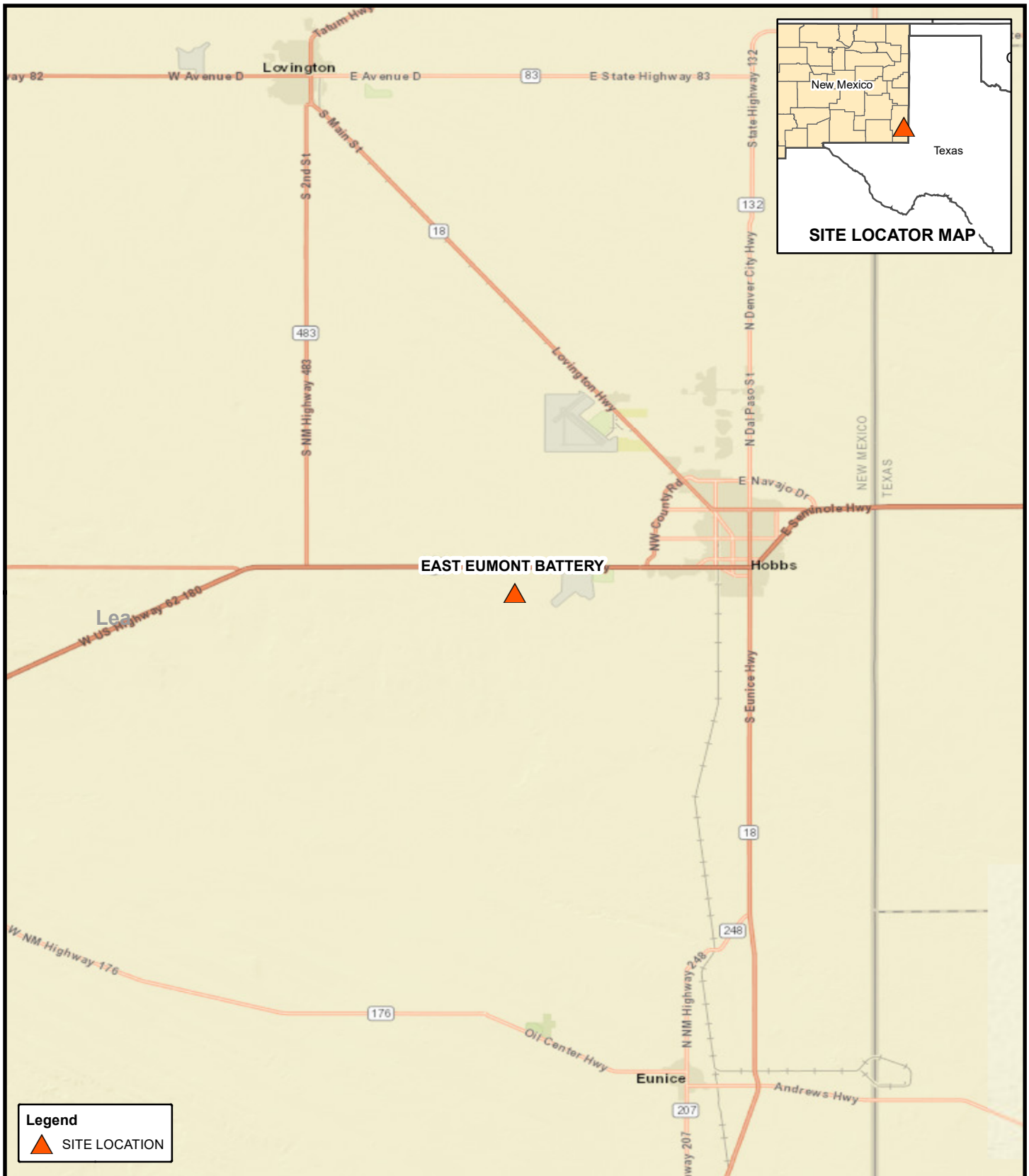
Brittany Long,
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager



Figures

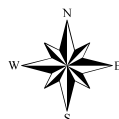


Legend
▲ SITE LOCATION

TETRA TECH
www.tetratech.com

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Midland, Texas 79701
Phone: (432) 682-4559

JR OIL



0 10,000 20,000
Approximate Scale in Feet

OVERVIEW MAP
EAST EUMONT BATTERY

LEA COUNTY, NEW MEXICO
(32.683837°, -103.245740°)

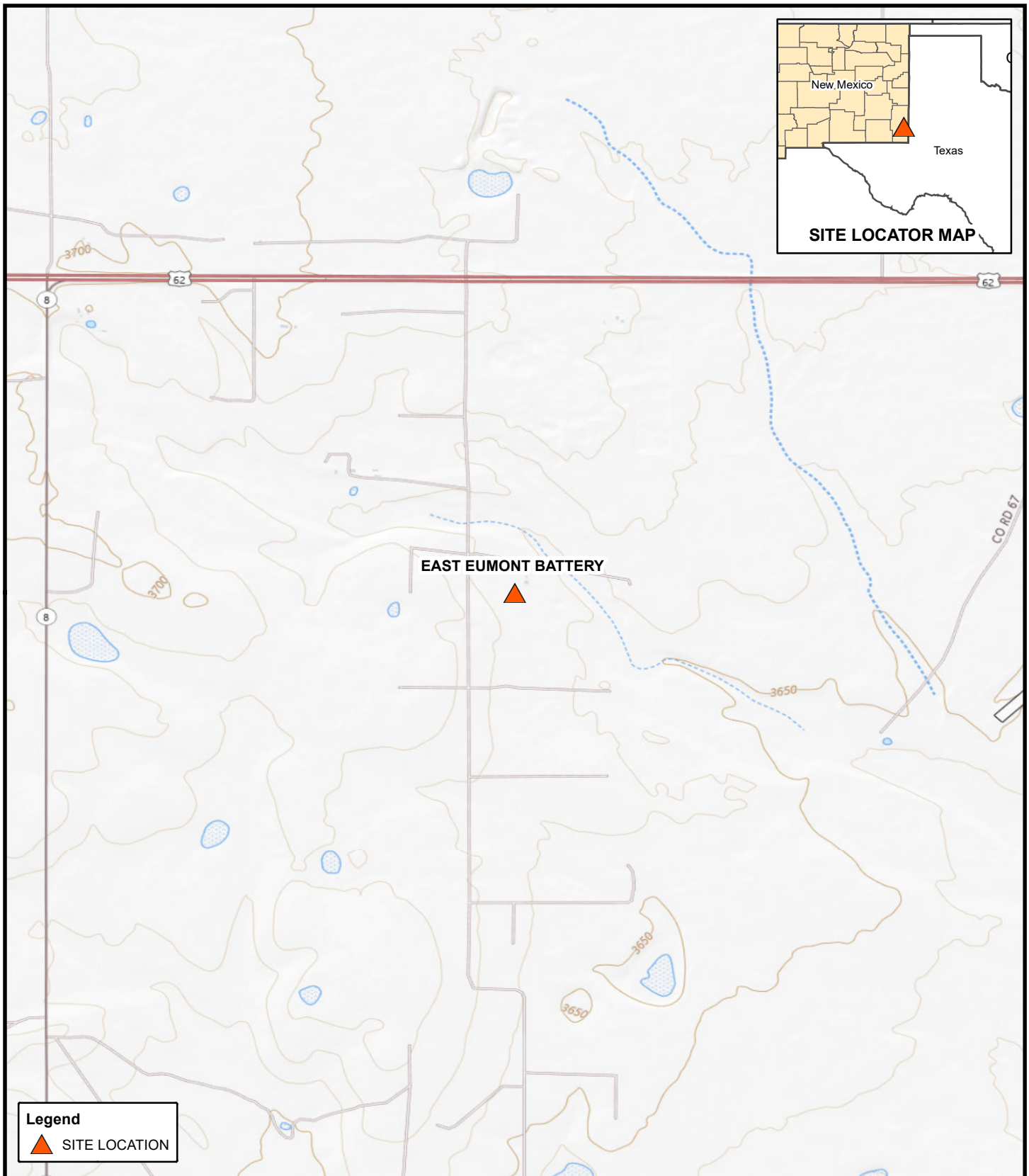
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DATE: MAY 15, 2024

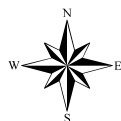
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Figure No.

1



901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559



0 875 1,750
Approximate Scale in Feet

TOPOGRAPHIC MAP
EAST EUMONT BATTERY

LEA COUNTY, NEW MEXICO
(32.683837°, -103.245740°)

PROJECT NO.: 212C-MD-03133

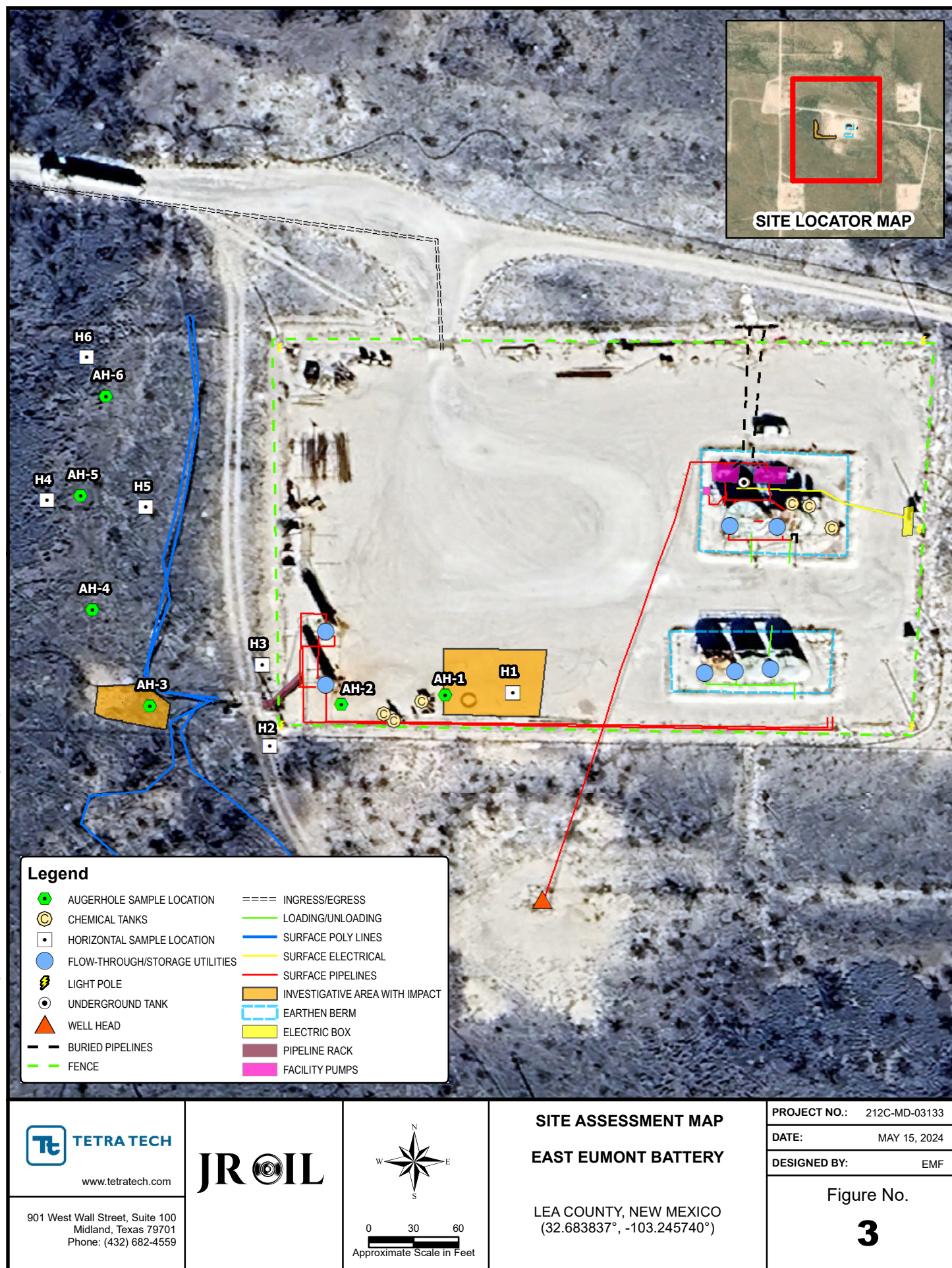
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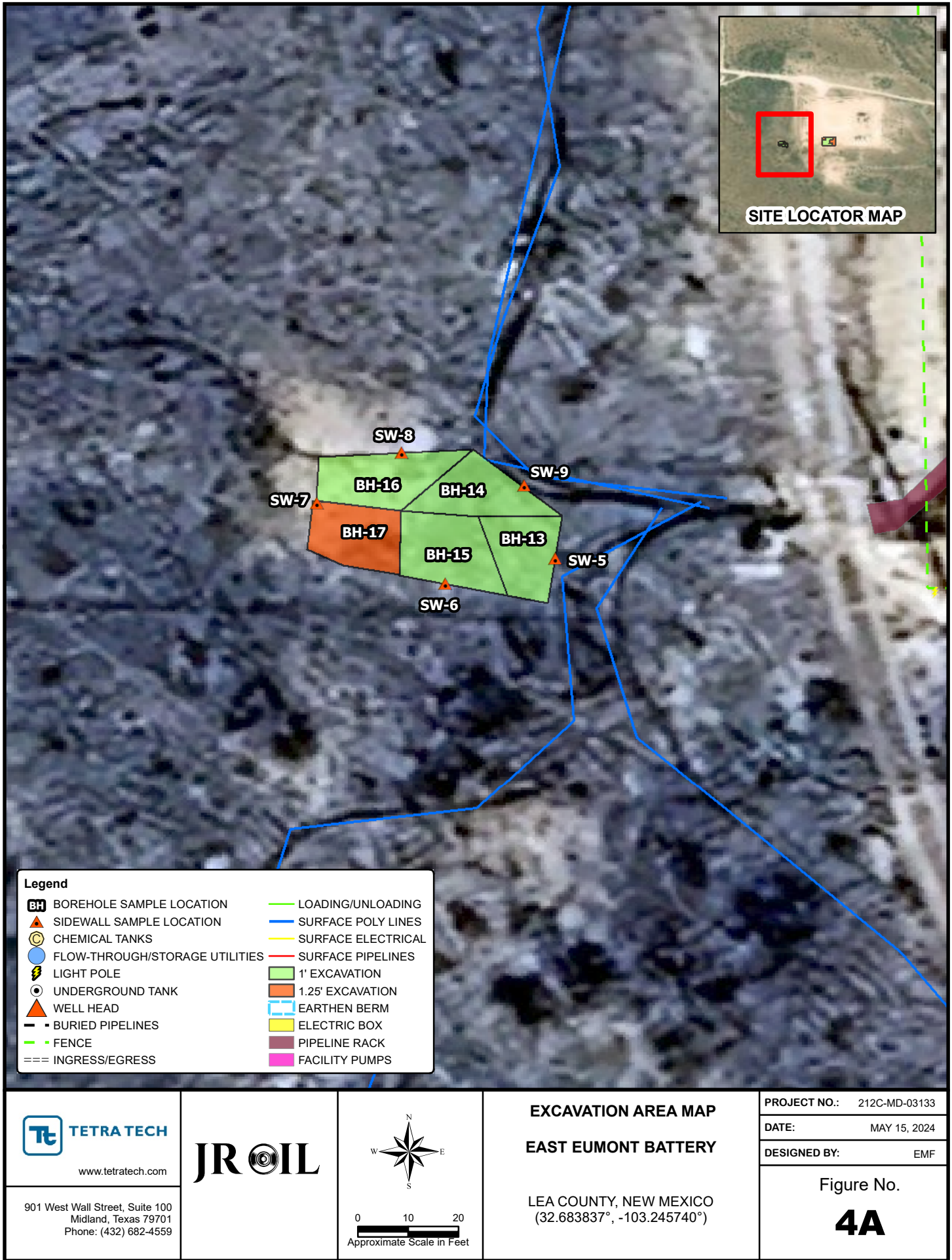
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Figure No.

2

Service Layer Credits: USGS, Topographic.

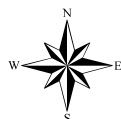




Document Path: C:\Users\JL\MORENO\LORES\OneDrive - Tetra Tech, Inc\Documents\Projects\JR OIL Ltd\03133 - East Eumont CTB\GIS\MXD\03133 - Figure 4 - EE Battery.mxd



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Phone: (432) 682-4559



0 10 20
Approximate Scale in Feet

EXCAVATION AREA MAP
EAST EUMONT BATTERY

LEA COUNTY, NEW MEXICO
(32.683837°, -103.245740°)

PROJECT NO.: 212C-MD-03133

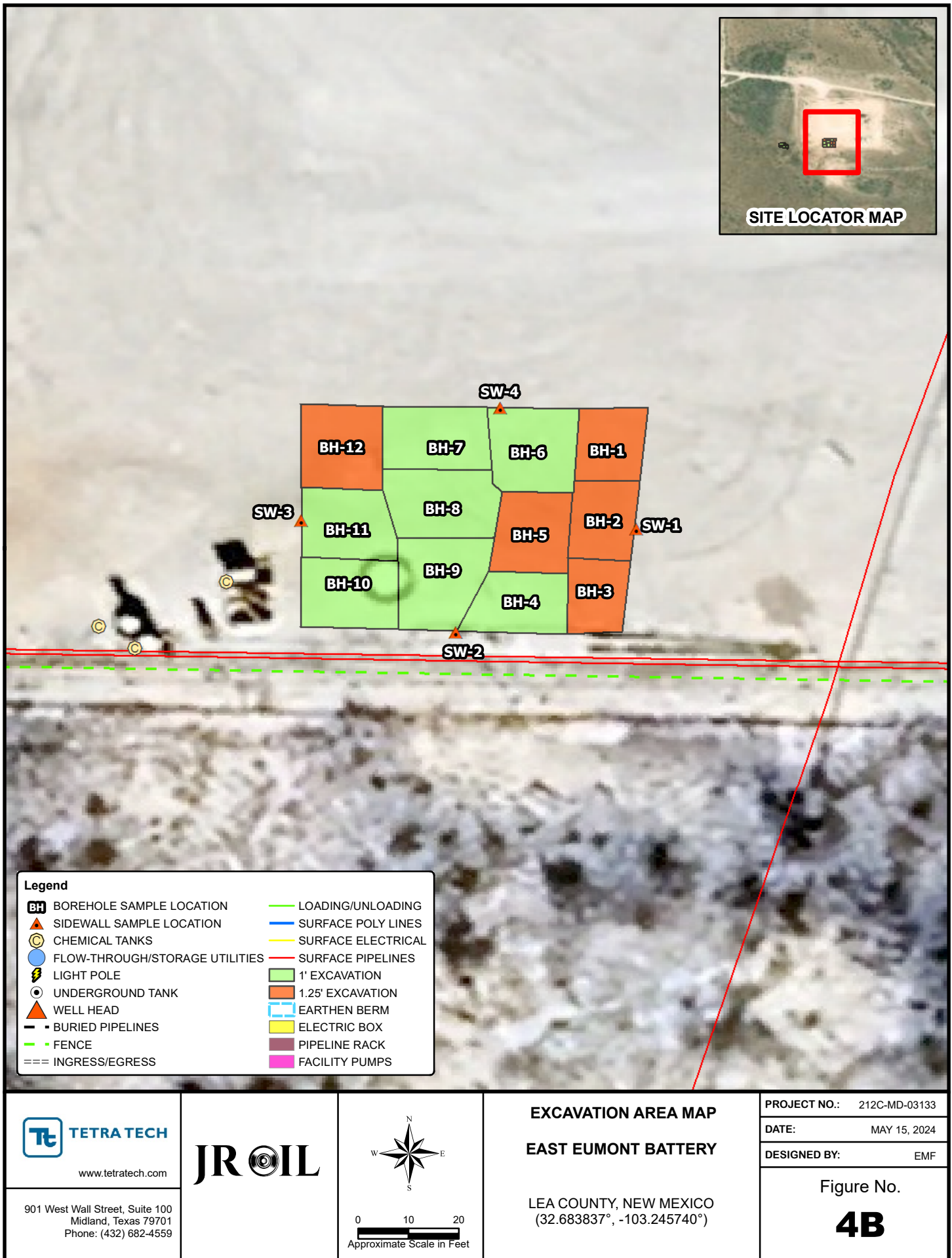
DATE: MAY 15, 2024

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Figure No.

4A

Service Layer Credits: Google Maps, 2023.



Service Layer Credits: Google Maps, 2023.



Tables

Table 1
JR Oil
EAST EUMONT CTB (Pasture)
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	ORO	Total						
RRALs									100 mg/kg	10 mg/kg	50 mg/kg			600 mg/kg
AH-1	5/31/2023	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	56.7
AH-2	5/31/2023	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	185
AH-3	5/31/2023	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	688
AH-4	5/31/2023	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.2
AH-5	5/31/2023	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	41.1
AH-6	5/31/2023	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	62.0
H-1	5/31/2023	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	619
H-2	5/31/2023	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.9
H-3	5/31/2023	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	45.3
H-4	5/31/2023	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	36.5
H-5	5/31/2023	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.2
H-6	5/31/2023	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	48.8

NOTES

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

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

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

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

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

 Exceedance

Table 3
JR Oil LTD
East Eumont Pasture Excavation
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	ORO	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				10,000 mg/kg
BH-1	2/28/2024	1.0	X	-	<50.5	107	<50.5	107	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	82.1		
	4/12/2024	1.25	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.81		
BH-2	2/28/2024	1.0	X	-	<49.7	110	<49.7	110	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.7		
	4/12/2024	1.25	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.7		
BH-3	2/28/2024	1.0	X	-	<49.9	<49.9	100	100	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	75.9		
	4/12/2024	1.25	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9.35		
BH-4	2/28/2024	1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.2		
BH-5	2/28/2024	1.0	X	-	<49.9	114	<49.9	114	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.8		
	4/12/2024	1.25	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.6		
BH-6	2/28/2024	1.0	X	-	<50.1	50.9	<50.1	50.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	60.2		
BH-7	2/28/2024	1.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	63.3		
BH-8	2/28/2024	1.0	X	-	<50.3	55.4	<50.3	55.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.9		
BH-9	2/28/2024	1.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	69.0		
BH-10	2/28/2024	1.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	16.3		
BH-11	2/28/2024	1.0	X	-	<50.5	71.8	<50.5	71.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.7		
BH-12	2/28/2024	1.0	X	-	<49.9	137	<49.9	137	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	83.4		
	4/12/2024	1.25	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.0		
BH-13	2/28/2024	1.0	X	-	<49.5	57.9	<49.5	57.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	65.3		
BH-14	2/28/2024	1.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.8		
BH-15	2/28/2024	1.0	X	-	<50.1	83.8	<50.1	83.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	54.2		
BH-16	2/28/2024	1.0	X	-	<50.5	65.7	<50.5	65.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	55.3		
BH-17	2/28/2024	1.0	X	-	<49.7	125	<49.7	125	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.6		
	4/12/2024	1.25	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	23.6		
SW-1	2/28/2024	-	X	-	<49.9	61.1	<49.9	61.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	70.5		
SW-2	2/28/2024	-	X	-	<49.7	112	<49.7	112	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.2		
	4/12/2024	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.30		

Table 3
JR Oil LTD
East Eumont Pasture Excavation
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	ORO	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	10,000 mg/kg
SW-3	2/28/2024	-	X	-	<50.0	113	<50.0	113	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	63.7
	4/12/2024	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.8
SW-4	2/28/2024	-	X	-	<50.5	70.0	<50.5	70.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.0
SW-5	2/28/2024	-	X	-	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	33.3
SW-6	2/28/2024	-	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	37.4
SW-7	2/28/2024	-	X	-	<50.0	64.9	<50.0	64.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	53.7
SW-8	2/28/2024	-	X	-	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	79.3
SW-9	2/28/2024	-	X	-	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	60.1

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

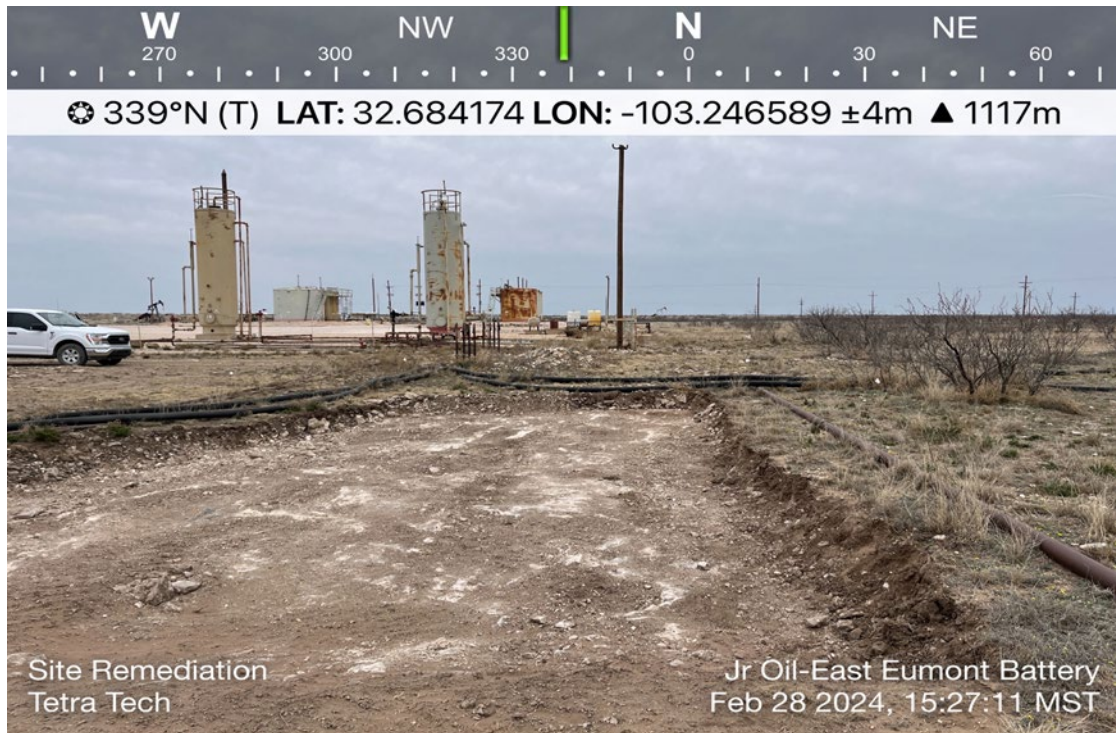


Photographic Documentation

JR Oil, LTD. CO.
East Eumont Pasture
Lea County, New Mexico



View of Remediation Activities – View South

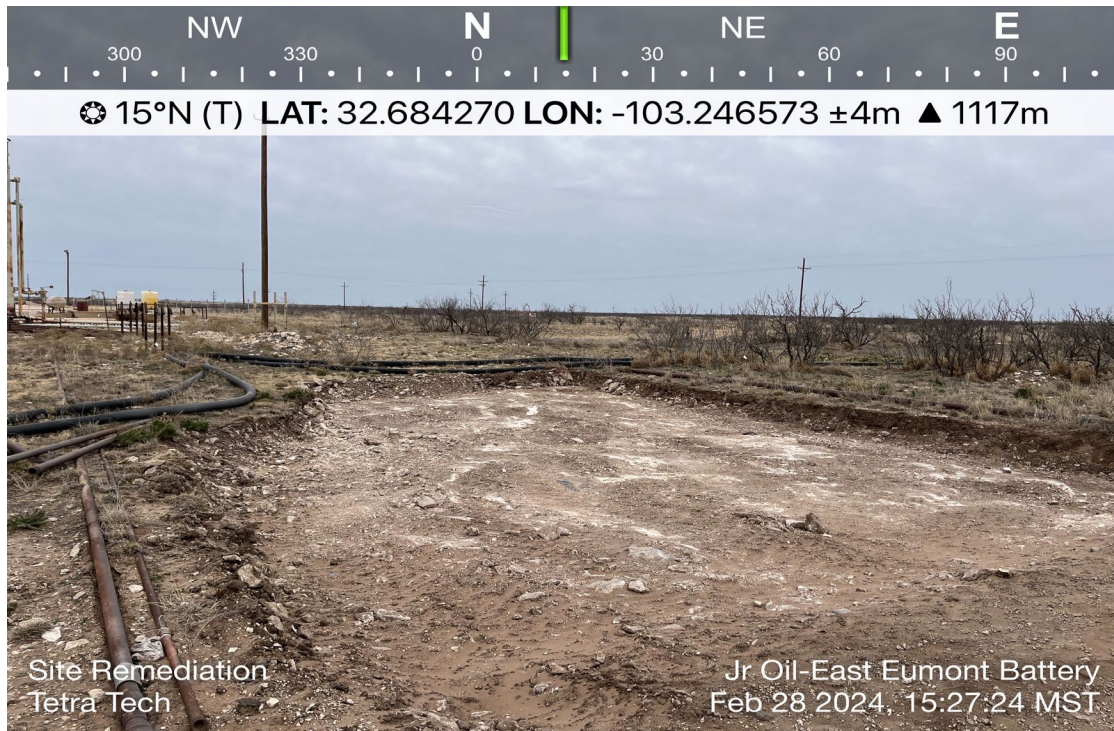


View of Remediation Activities – View Northwest

JR Oil, LTD. CO.
East Eumont Pasture
Lea County, New Mexico



View of Remediation Activities – View Northeast

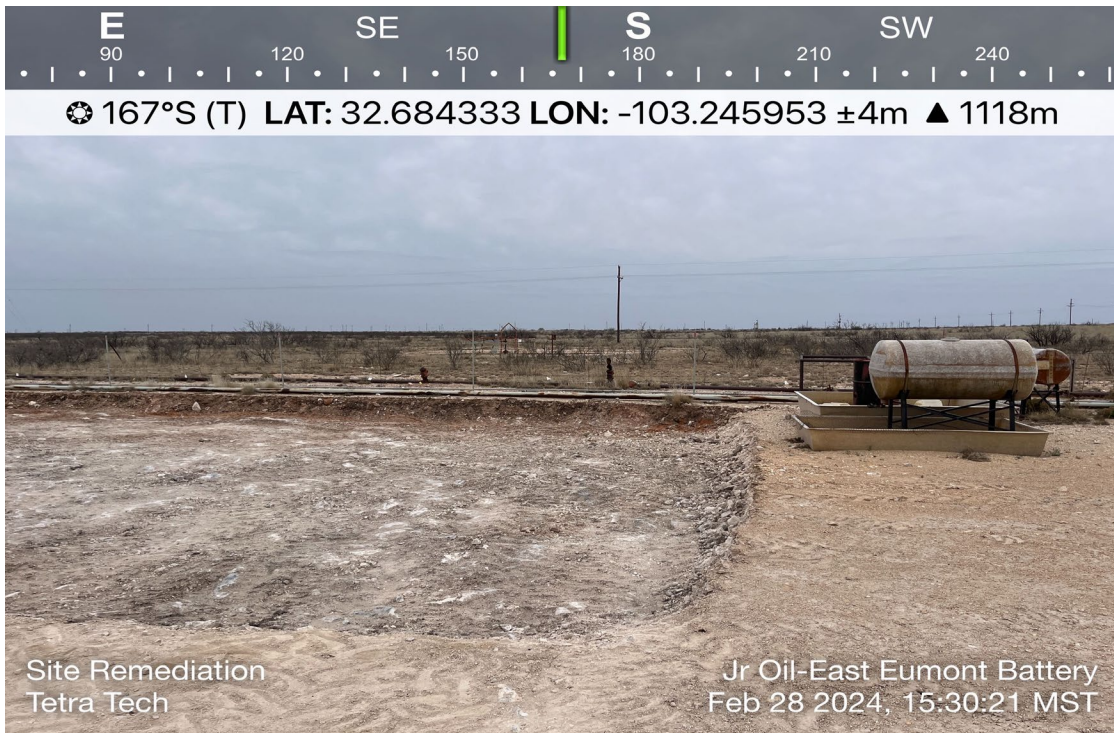


View of Remediation Activities – View North

JR Oil, LTD. CO.
East Eumont Pasture
Lea County, New Mexico



View of Remediation Activities – View West



View of Remediation Activities – View South

JR Oil, LTD. CO.
East Eumont Pasture
Lea County, New Mexico



View of Remediation Activities – View Northeast



View of Remediation Activities – View Southeast



Appendix A

C-141 Document

Page 22 of 171
Received by OGD: 2/14/2025 3:19:16 PM
Released to Imaging: 2/19/2025 3:13:40 PM

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OXY PERMIAN LTD	Contact	CASEY SUMMERS
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-513-8289
Facility Name	EAST EUMONT BATTERY	Facility Type	BATTERY
Surface Owner	STATE	Mineral Owner	STATE
		API No.	30-025-05545

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	3	19S	37E					

Latitude_N 32.68473° Longitude_W 103.24536° NAD83

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	132 BBLS	Volume Recovered	15 BBLS
Source of Release	4 INCH STEEL WATER LINE	Date and Hour of Occurrence	3-31-2017	Date and Hour of Discovery	5:00PM
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	OLIVIA YU, NMOCD; TOMAS OBERDING, NMOCD; AMBER GROVES, SLO		
By Whom?	CASEY SUMMERS	Date and Hour	04/03/2017 12:30 PM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 10:25 am, Apr 07, 2017

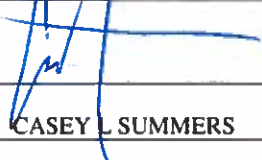
Describe Cause of Problem and Remedial Action Taken.*

4" steel water line from the heater to the water tanks failed and caused a spill of 132 bbls of produced water. A vacuum truck recovered 15 bbls of produced water.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 165' x 84' and is both on and off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: CASEY L SUMMERS		Approved by Environmental Specialist: 	
Title: ENVIRONMENTAL ADVISOR		Approval Date: 4/7/2017	Expiration Date:
E-mail Address: casey_summers@oxy.com		Conditions of Approval: see attached directive	Attached ☒
Date: 4-5-17 Phone: 575-513-8289			

Attach Additional Sheets If Necessary

1RP-4668

nOY1709737693

pOY1709737908

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 4/5/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1R-4668 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 5/7/2017. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 316983

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 316983
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1709737693
Incident Name	NOY1709737693 2017 MAJOR A SWS @ 30-025-05545
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-05545] EAST EUMONT UNIT #026

Location of Release Source	
Site Name	Unavailable.
Date Release Discovered	03/31/2017
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,479
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2024
Time sampling will commence	03:29 PM
Please provide any information necessary for observers to contact samplers	Tetra Tech - 432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection of US62 and NM8, head east on 62 and follow for 1.01 miles. Turn right (south) on lease road, and follow for 0.80 miles. Turn left (east) onto lease road, follow for 0.12 miles. Location on the right.

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Phone:(575) 748-1283 Fax:(575) 748-9720
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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 316983

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 316983
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
tetrattech	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/26/2024

District I

1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 330782

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 330782
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1709737693
Incident Name	NOY1709737693 2017 MAJOR A SWS @ 30-025-05545
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-05545] EAST EUMONT UNIT #026

Location of Release Source	
Site Name	Unavailable.
Date Release Discovered	03/31/2017
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,800
What is the estimated number of samples that will be gathered	9
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/12/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech 4327415813
Please provide any information necessary for navigation to sampling site	From intersection of US62 and NM8, head east on 62 and follow for 1.01 miles. Turn right (south) on lease road, and follow for 0.80 miles. Turn left (east) onto lease road, follow for 0.12 miles. Location on the right.

District I
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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 330782

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 330782
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
tetrattech	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/8/2024



Appendix B

Site Characterization Documents



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide

News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

 Important:

[Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324102103150801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324102103150801 19S.37E.04.412231

Lea County, New Mexico
Latitude 32°41'02", Longitude 103°15'08" NAD27
Land-surface elevation 3,681 feet above NAVD88
The depth of the well is 120 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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
1966-02-17		D	62610		3657.34	NGVD29	1	Z		
1966-02-17		D	62611		3658.68	NAVD88	1	Z		
1966-02-17		D	72019	22.32			1	Z		
1971-01-20		D	62610		3656.64	NGVD29	1	Z		
1971-01-20		D	62611		3657.98	NAVD88	1	Z		
1971-01-20		D	72019	23.02			1	Z		
1976-06-10		D	62610		3659.40	NGVD29	1	Z		
1976-06-10		D	62611		3660.74	NAVD88	1	Z		
1976-06-10		D	72019	20.26			1	Z		

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

https://nwis.waterdata.usgs.gov/nwis/gw/levels?_no=324102103150801&agency_cd=USGS&format=html

1/2

Section	Code	Description
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 or Comments](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

AccessibilityFOIAPrivacyPolicies and Notices

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2023-10-04 13:58:47 EDT
0.28 0.25 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

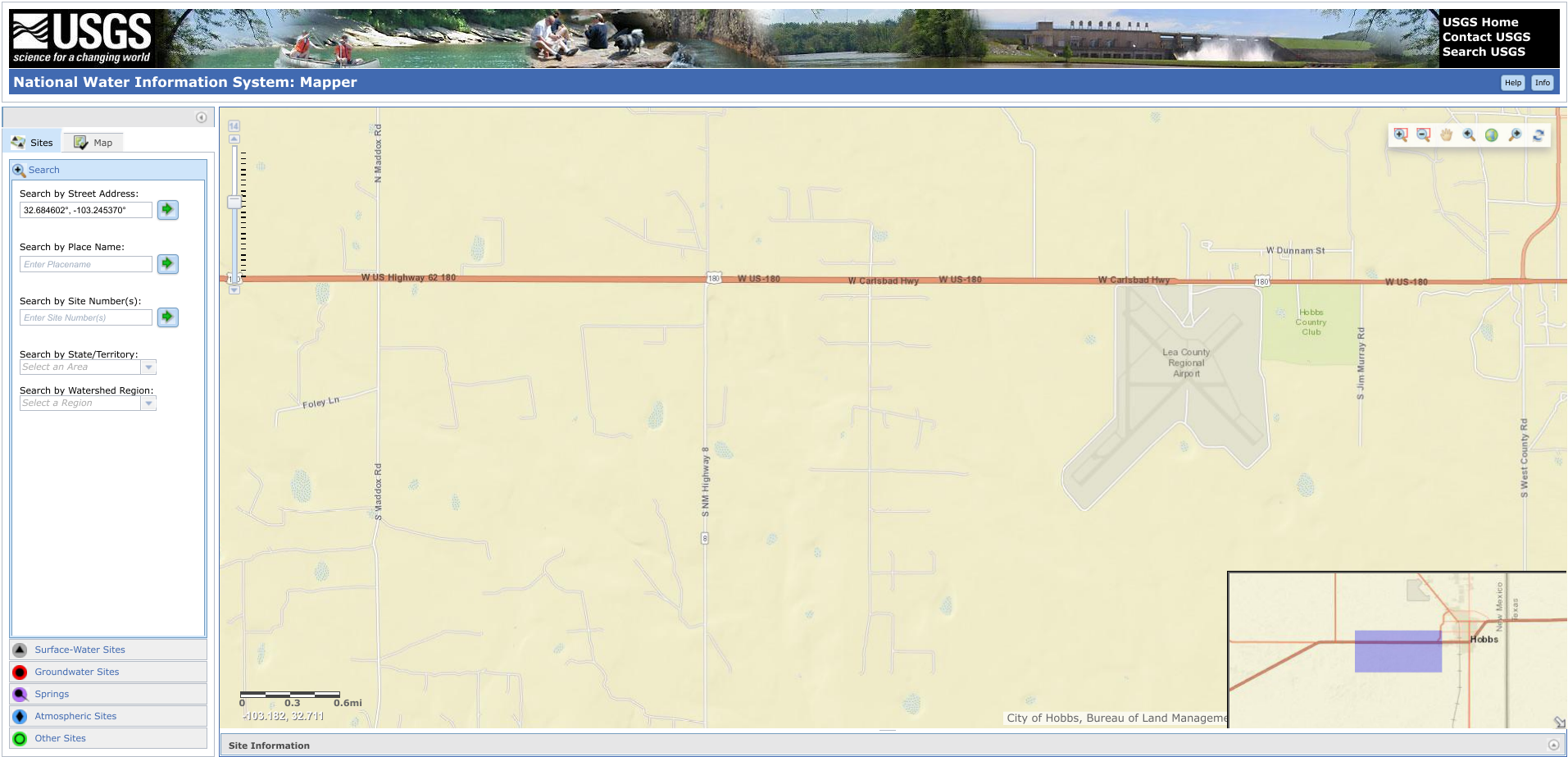
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
L	03234	1	1	10	19S	37E	664473	3617188*					
Driller License:		111		Driller Company:		BURKE, EDWARD B.							
Driller Name:		BURKE, EDWARD B.											
Drill Start Date:		06/19/1956		Drill Finish Date:		06/20/1956		Plug Date:		07/05/1957			
Log File Date:		06/22/1956		PCW Rev Date:				Source:		Shallow			
Pump Type:				Pipe Discharge Size:				Estimated Yield:					
Casing Size:		7.00		Depth Well:		112 feet		Depth Water:		26 feet			
Water Bearing Stratifications:					Top	Bottom	Description						
					44	48	Sandstone/Gravel/Conglomerate						
					62	75	Sandstone/Gravel/Conglomerate						
					87	95	Sandstone/Gravel/Conglomerate						
					97	112	Sandstone/Gravel/Conglomerate						
Casing Perforations:					Top	Bottom							
					81	102							

*UTM location was derived from PLSS - see Help

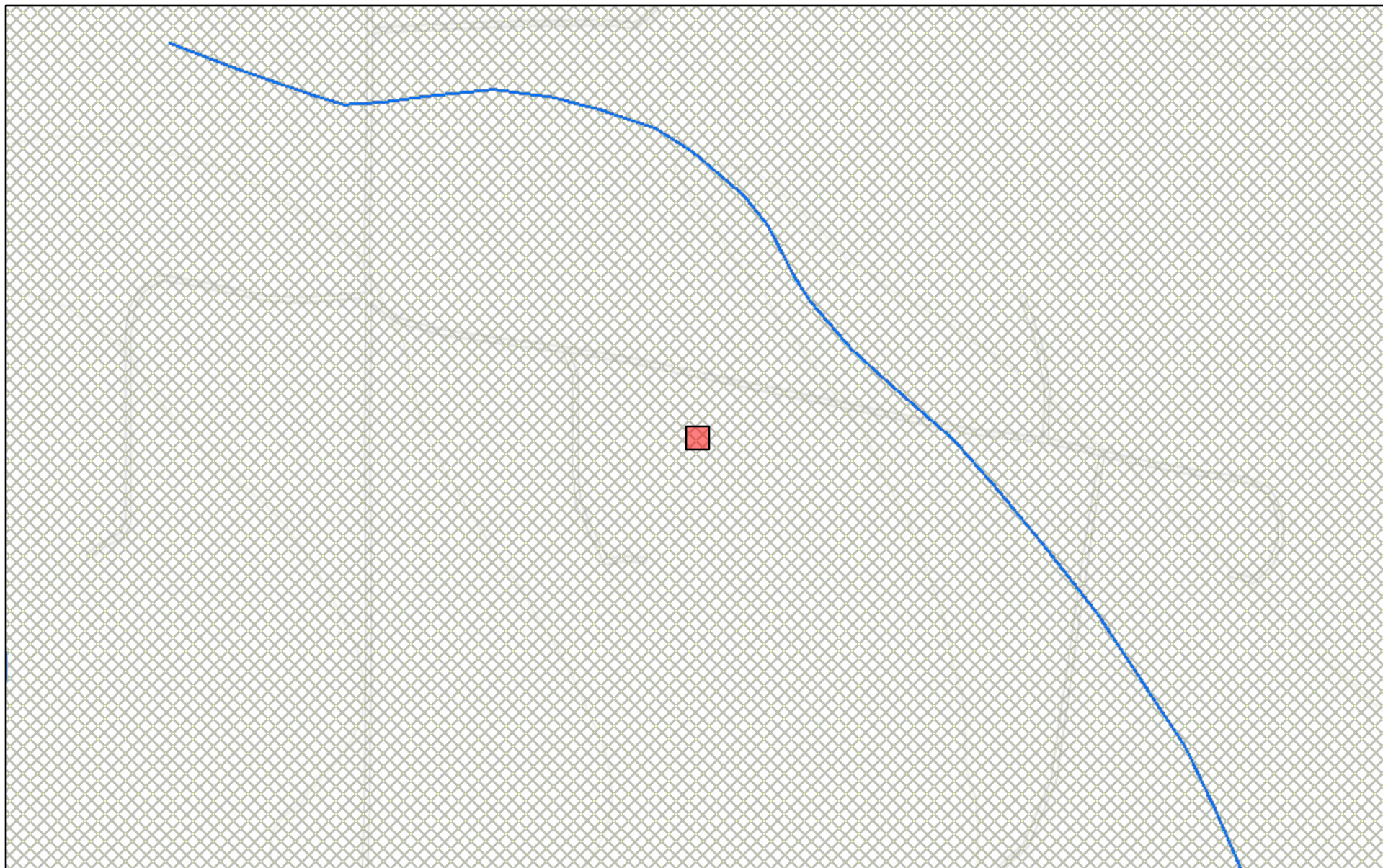
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/4/23 8:39 AM

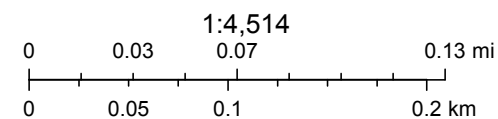
POINT OF DIVERSION SUMMARY



New Mexico NFHL Data



October 4, 2023



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

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

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

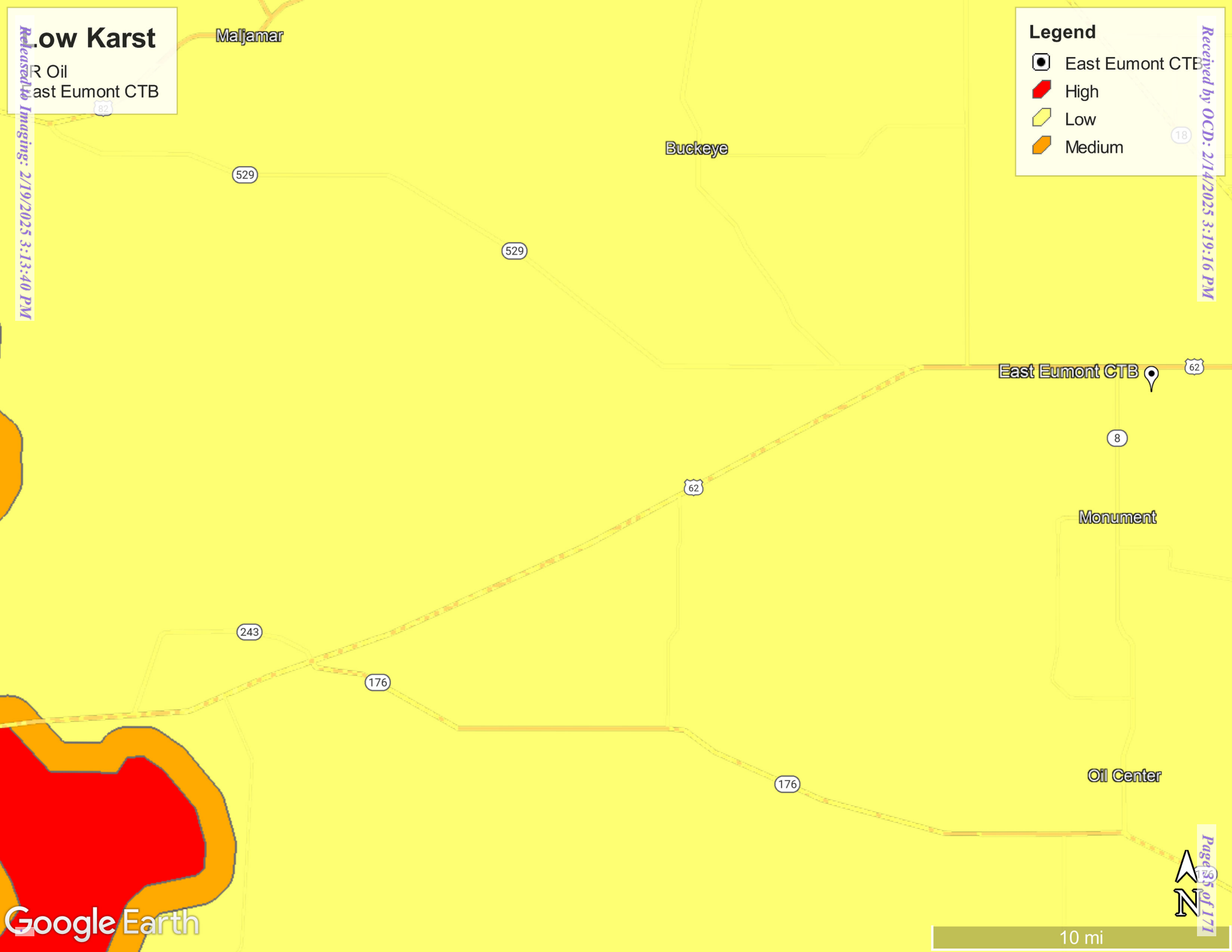
Low Karst
R Oil
East Eumont CTB

Released to Imaging: 2/19/2025 3:13:40 PM

Legend

- East Eumont CTB
- High
- Low
- Medium

Received by OCD: 2/14/2025 3:19:16 PM





Appendix C

Laboratory Reports



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/6/2023 12:29:16 PM

JOB DESCRIPTION

East Eumont CTB (Pasture)
SDG NUMBER Lea County NM

JOB NUMBER

890-4772-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
6/6/2023 12:29:16 PM

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

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Laboratory Job ID: 890-4772-1
SDG: Lea County NM

Table of Contents

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QC Sample Results	18
QC Association Summary	24
Lab Chronicle	28
Certification Summary	32
Method Summary	33
Sample Summary	34
Chain of Custody	35
Receipt Checklists	37

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Job ID: 890-4772-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-4772-1**

Receipt

The samples were received on 6/1/2023 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-54717 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-54717/2), (CCV 880-54717/20), (CCV 880-54717/33) and (CCV 880-54717/51).

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-54723 and 880-54723 and analytical batch 880-54717 recovered outside control limits for the following analytes: Benzene, Toluene, Ethylbenzene and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54723 and analytical batch 880-54717 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54706 and analytical batch 880-54717 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-2 (0-1') (890-4772-8), AH-4 (0-1') (890-4772-10), AH-5 (0-1') (890-4772-11) and AH-6 (0-1') (890-4772-12). 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: (890-4769-A-11-E MS) and (890-4769-A-11-F MSD). 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 880-54723 and analytical batch 880-54717 was outside the control limits.

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 method blank for preparation batch 880-54721 and analytical batch 880-54716 contained Diesel Range Organics (Over C10-C28) 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54667 and 880-54667 and analytical batch 880-54795 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: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-1 (0-1')

Lab Sample ID: 890-4772-1

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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		06/05/23 09:33	06/05/23 19:08	1
Toluene	<0.00202	U **	0.00202		mg/Kg		06/05/23 09:33	06/05/23 19:08	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		06/05/23 09:33	06/05/23 19:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/23 09:33	06/05/23 19:08	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/05/23 09:33	06/05/23 19:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/23 09:33	06/05/23 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/05/23 09:33	06/05/23 19:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/05/23 09:33	06/05/23 19:08	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			06/06/23 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/05/23 16:57	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		06/05/23 09:17	06/05/23 14:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 14:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	06/05/23 09:17	06/05/23 14:41	1
o-Terphenyl	110		70 - 130	06/05/23 09:17	06/05/23 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	619	F1	4.96		mg/Kg			06/05/23 21:26	1

Client Sample ID: H-2 (0-1')

Lab Sample ID: 890-4772-2

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		06/05/23 09:33	06/05/23 19:33	1
Toluene	<0.00199	U **	0.00199		mg/Kg		06/05/23 09:33	06/05/23 19:33	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		06/05/23 09:33	06/05/23 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/23 09:33	06/05/23 19:33	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		06/05/23 09:33	06/05/23 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/23 09:33	06/05/23 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/05/23 09:33	06/05/23 19:33	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-2 (0-1')

Lab Sample ID: 890-4772-2

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	06/05/23 09:33	06/05/23 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			06/06/23 12:06	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			06/05/23 16:57	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		06/05/23 09:17	06/05/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 15:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/05/23 09:17	06/05/23 15:03	1
o-Terphenyl	105		70 - 130				06/05/23 09:17	06/05/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.9		4.99		mg/Kg			06/05/23 21:42	1

Client Sample ID: H-3 (0-1')

Lab Sample ID: 890-4772-3

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198		mg/Kg		06/05/23 09:33	06/05/23 19:59	1
Toluene	<0.00198	U *	0.00198		mg/Kg		06/05/23 09:33	06/05/23 19:59	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		06/05/23 09:33	06/05/23 19:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/05/23 09:33	06/05/23 19:59	1
o-Xylene	<0.00198	U * - *1	0.00198		mg/Kg		06/05/23 09:33	06/05/23 19:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/05/23 09:33	06/05/23 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/05/23 09:33	06/05/23 19:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/05/23 09:33	06/05/23 19:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/06/23 12:06	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			06/05/23 16:57	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-3 (0-1')

Lab Sample ID: 890-4772-3

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

Method: SW846 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		06/05/23 09:17	06/05/23 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 15:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/05/23 09:17	06/05/23 15:47	1
o-Terphenyl	119		70 - 130				06/05/23 09:17	06/05/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.3		5.02		mg/Kg			06/05/23 21:48	1

Client Sample ID: H-4 (0-1')

Lab Sample ID: 890-4772-4

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
Toluene	<0.00200	U *	0.00200		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
o-Xylene	<0.00200	U * - *1	0.00200		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/23 09:33	06/05/23 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				06/05/23 09:33	06/05/23 20:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/05/23 09:33	06/05/23 20:25	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			06/06/23 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/05/23 16:57	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		06/05/23 09:17	06/05/23 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 16:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/05/23 09:17	06/05/23 16:09	1
o-Terphenyl	118		70 - 130				06/05/23 09:17	06/05/23 16:09	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-4 (0-1')

Lab Sample ID: 890-4772-4

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		5.03		mg/Kg			06/05/23 21:53	1

Client Sample ID: H-5 (0-1')

Lab Sample ID: 890-4772-5

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
Toluene	<0.00199	U *	0.00199		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
o-Xylene	<0.00199	U * *1	0.00199		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/23 09:33	06/05/23 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/05/23 09:33	06/05/23 20:50	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/05/23 09:33	06/05/23 20:50	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			06/06/23 12:06	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			06/05/23 16:57	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		06/05/23 09:17	06/05/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/05/23 09:17	06/05/23 16:30	1
o-Terphenyl	122		70 - 130				06/05/23 09:17	06/05/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		4.98		mg/Kg			06/05/23 21:58	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-6 (0-1')

Lab Sample ID: 890-4772-6

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198		mg/Kg		06/05/23 09:33	06/05/23 21:16	1
Toluene	<0.00198	U **	0.00198		mg/Kg		06/05/23 09:33	06/05/23 21:16	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		06/05/23 09:33	06/05/23 21:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/23 09:33	06/05/23 21:16	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		06/05/23 09:33	06/05/23 21:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/23 09:33	06/05/23 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/05/23 09:33	06/05/23 21:16	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/05/23 09:33	06/05/23 21:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/06/23 12:06	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			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	06/05/23 09:17	06/05/23 16:52	1
o-Terphenyl	107		70 - 130	06/05/23 09:17	06/05/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		4.99		mg/Kg			06/05/23 22:14	1

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-4772-7

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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		06/05/23 09:33	06/05/23 21:41	1
Toluene	<0.00202	U **	0.00202		mg/Kg		06/05/23 09:33	06/05/23 21:41	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		06/05/23 09:33	06/05/23 21:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/05/23 09:33	06/05/23 21:41	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/05/23 09:33	06/05/23 21:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/05/23 09:33	06/05/23 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/05/23 09:33	06/05/23 21:41	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-4772-7

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	06/05/23 09:33	06/05/23 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/06/23 12:06	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			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 17:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 17:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				06/05/23 09:17	06/05/23 17:14	1
o-Terphenyl	128		70 - 130				06/05/23 09:17	06/05/23 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.7		4.99		mg/Kg			06/05/23 22:20	1

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-4772-8

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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		06/03/23 14:27	06/06/23 08:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/03/23 14:27	06/06/23 08:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/03/23 14:27	06/06/23 08:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/03/23 14:27	06/06/23 08:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/03/23 14:27	06/06/23 08:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/03/23 14:27	06/06/23 08:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	06/03/23 14:27	06/06/23 08:54	1
1,4-Difluorobenzene (Surr)	114		70 - 130	06/03/23 14:27	06/06/23 08:54	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			06/06/23 12:06	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			06/06/23 11:08	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-4772-8

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

Method: SW846 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		06/05/23 09:17	06/05/23 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 17:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/05/23 09:17	06/05/23 17:36	1
o-Terphenyl	111		70 - 130				06/05/23 09:17	06/05/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.00		mg/Kg			06/05/23 22:25	1

Client Sample ID: AH-3 (0-1')

Lab Sample ID: 890-4772-9

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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		06/03/23 14:27	06/06/23 09:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/03/23 14:27	06/06/23 09:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/03/23 14:27	06/06/23 09:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/03/23 14:27	06/06/23 09:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/03/23 14:27	06/06/23 09:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/03/23 14:27	06/06/23 09:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				06/03/23 14:27	06/06/23 09:20	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/03/23 14:27	06/06/23 09:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/23 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 17:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 17:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/23 09:17	06/05/23 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				06/05/23 09:17	06/05/23 17:57	1
o-Terphenyl	109		70 - 130				06/05/23 09:17	06/05/23 17:57	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-3 (0-1')

Lab Sample ID: 890-4772-9

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	688		5.01		mg/Kg			06/05/23 22:30	1

Client Sample ID: AH-4 (0-1')

Lab Sample ID: 890-4772-10

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/23 14:27	06/06/23 09:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				06/03/23 14:27	06/06/23 09:46	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/03/23 14:27	06/06/23 09:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/06/23 12:06	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			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/05/23 09:17	06/05/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				06/05/23 09:17	06/05/23 18:19	1
o-Terphenyl	108		70 - 130				06/05/23 09:17	06/05/23 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.2		5.04		mg/Kg			06/05/23 22:36	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-5 (0-1')

Lab Sample ID: 890-4772-11

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/03/23 14:27	06/06/23 10:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/03/23 14:27	06/06/23 10:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/03/23 14:27	06/06/23 10:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/03/23 14:27	06/06/23 10:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/03/23 14:27	06/06/23 10:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/03/23 14:27	06/06/23 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	06/03/23 14:27	06/06/23 10:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/03/23 14:27	06/06/23 10:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/06/23 12:06	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			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 18:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	06/05/23 09:17	06/05/23 18:40	1
o-Terphenyl	126		70 - 130	06/05/23 09:17	06/05/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.1	F1	4.98		mg/Kg			06/05/23 22:41	1

Client Sample ID: AH-6 (0-1')

Lab Sample ID: 890-4772-12

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 10:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 10:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 10:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/03/23 14:27	06/06/23 10:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 10:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/03/23 14:27	06/06/23 10:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	06/03/23 14:27	06/06/23 10:38	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-6 (0-1')

Lab Sample ID: 890-4772-12

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Sample Depth: 0 - 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	06/03/23 14:27	06/06/23 10:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/06/23 12:06	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			06/06/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/23 09:17	06/05/23 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/05/23 09:17	06/05/23 19:01	1
o-Terphenyl	120		70 - 130				06/05/23 09:17	06/05/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.0		5.02		mg/Kg			06/05/23 22:57	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-4765-A-26-C MS	Matrix Spike	118	100
890-4765-A-26-D MSD	Matrix Spike Duplicate	106	92
890-4769-A-11-E MS	Matrix Spike	132 S1+	104
890-4769-A-11-F MSD	Matrix Spike Duplicate	138 S1+	101
890-4772-1	H-1 (0-1')	118	91
890-4772-2	H-2 (0-1')	120	89
890-4772-3	H-3 (0-1')	121	93
890-4772-4	H-4 (0-1')	121	97
890-4772-5	H-5 (0-1')	124	89
890-4772-6	H-6 (0-1')	119	90
890-4772-7	AH-1 (0-1')	121	92
890-4772-8	AH-2 (0-1')	140 S1+	114
890-4772-9	AH-3 (0-1')	128	86
890-4772-10	AH-4 (0-1')	137 S1+	93
890-4772-11	AH-5 (0-1')	138 S1+	91
890-4772-12	AH-6 (0-1')	143 S1+	101
LCS 880-54706/1-A	Lab Control Sample	95	89
LCS 880-54723/1-A	Lab Control Sample	114	104
LCSD 880-54706/2-A	Lab Control Sample Dup	103	87
LCSD 880-54723/2-A	Lab Control Sample Dup	119	100
MB 880-54706/5-A	Method Blank	72	88
MB 880-54723/5-A	Method Blank	69 S1-	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29062-A-21-C MS	Matrix Spike	111	101
880-29062-A-21-D MSD	Matrix Spike Duplicate	123	118
890-4772-1	H-1 (0-1')	106	110
890-4772-2	H-2 (0-1')	107	105
890-4772-3	H-3 (0-1')	115	119
890-4772-4	H-4 (0-1')	117	118
890-4772-5	H-5 (0-1')	117	122
890-4772-6	H-6 (0-1')	109	107
890-4772-7	AH-1 (0-1')	122	128
890-4772-8	AH-2 (0-1')	114	111
890-4772-9	AH-3 (0-1')	105	109
890-4772-10	AH-4 (0-1')	108	108
890-4772-11	AH-5 (0-1')	121	126
890-4772-12	AH-6 (0-1')	117	120
LCS 880-54721/2-A	Lab Control Sample	101	101
LCSD 880-54721/3-A	Lab Control Sample Dup	103	103
MB 880-54721/1-A	Method Blank	115	121

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Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54706/5-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/03/23 14:27	06/06/23 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/23 14:27	06/06/23 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/03/23 14:27	06/06/23 01:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	06/03/23 14:27	06/06/23 01:07	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/03/23 14:27	06/06/23 01:07	1

Lab Sample ID: LCS 880-54706/1-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/Kg		112	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09455		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1848		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09234		mg/Kg		92	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 880-54706/2-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1245		mg/Kg		125	70 - 130	10	35
Toluene	0.100	0.1102		mg/Kg		110	70 - 130	6	35
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2096		mg/Kg		105	70 - 130	13	35
o-Xylene	0.100	0.1027		mg/Kg		103	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-4765-A-26-C MS

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1039		mg/Kg		103	70 - 130
Toluene	<0.00201	U F1	0.101	0.07068		mg/Kg		70	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

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

Lab Sample ID: 890-4765-A-26-C MS

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.101	0.05168	F1	mg/Kg		51	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.09337	F1	mg/Kg		46	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.05173	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-4765-A-26-D MSD

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54706

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	0.08964		mg/Kg		90	70 - 130	15	35
Toluene	<0.00201	U F1	0.0994	0.06545	F1	mg/Kg		66	70 - 130	8	35
Ethylbenzene	<0.00201	U F1	0.0994	0.05507	F1	mg/Kg		55	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.09606	F1	mg/Kg		48	70 - 130	3	35
o-Xylene	<0.00201	U F1	0.0994	0.05409	F1	mg/Kg		54	70 - 130	4	35

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

Lab Sample ID: MB 880-54723/5-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/23 09:33	06/05/23 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/23 09:33	06/05/23 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/23 09:33	06/05/23 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/23 09:33	06/05/23 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/23 09:33	06/05/23 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/23 09:33	06/05/23 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	06/05/23 09:33	06/05/23 11:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/05/23 09:33	06/05/23 11:35	1

Lab Sample ID: LCS 880-54723/1-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1383	*+	mg/Kg		138	70 - 130
Toluene	0.100	0.1216		mg/Kg		122	70 - 130
Ethylbenzene	0.100	0.1204		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	0.200	0.2357		mg/Kg		118	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-54723/1-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-54723/2-A

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1489	*+	mg/Kg		149	70 - 130	7	35
Toluene	0.100	0.1349	*+	mg/Kg		135	70 - 130	10	35
Ethylbenzene	0.100	0.1324	*+	mg/Kg		132	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2585		mg/Kg		129	70 - 130	9	35
o-Xylene	0.100	0.01276	*- *1	mg/Kg		13	70 - 130	160	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-4769-A-11-E MS

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *+ F1	0.100	0.1458	F1	mg/Kg		146	70 - 130
Toluene	<0.00199	U *+ F1	0.100	0.1332	F1	mg/Kg		133	70 - 130
Ethylbenzene	<0.00199	U *+ F1	0.100	0.1262		mg/Kg		126	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.2448		mg/Kg		122	70 - 130
o-Xylene	<0.00199	U F1 *- *1	0.100	0.1173		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-4769-A-11-F MSD

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54723

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	0.1653	F1	mg/Kg		164	70 - 130	12	35
Toluene	<0.00199	U *+ F1	0.101	0.1495	F1	mg/Kg		148	70 - 130	11	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.1486	F1	mg/Kg		147	70 - 130	16	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.2920	F1	mg/Kg		145	70 - 130	18	35
o-Xylene	<0.00199	U F1 *- *1	0.101	0.1422	F1	mg/Kg		141	70 - 130	19	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

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

Lab Sample ID: 890-4769-A-11-F MSD

Matrix: Solid

Analysis Batch: 54717

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54723

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-54721/1-A

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54721

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/23 08:00	06/05/23 08:21	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/23 08:00	06/05/23 08:21	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/23 08:00	06/05/23 08:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	115		70 - 130				06/05/23 08:00	06/05/23 08:21	1	
o-Terphenyl	121		70 - 130				06/05/23 08:00	06/05/23 08:21	1	

Lab Sample ID: LCS 880-54721/2-A

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54721

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1206		mg/Kg		121	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	917.6		mg/Kg		92	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	101		70 - 130							

Lab Sample ID: LCSD 880-54721/3-A

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54721

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1211		mg/Kg		121	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	1000	910.3		mg/Kg		91	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	103		70 - 130							

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

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

Lab Sample ID: 880-29062-A-21-C MS

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54721

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	1039		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1051		mg/Kg		105	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	111		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: 880-29062-A-21-D MSD

Matrix: Solid

Analysis Batch: 54716

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54721

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	1183		mg/Kg		114	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1214		mg/Kg		122	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	118		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54667/1-A

Matrix: Solid

Analysis Batch: 54795

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			06/05/23 21:10	1

Lab Sample ID: LCS 880-54667/2-A

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-54667/3-A

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.3		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4772-1 MS

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: H-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	619	F1	248	839.7	F1	mg/Kg		89	90 - 110

Lab Sample ID: 890-4772-1 MSD

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: H-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	619	F1	248	840.2	F1	mg/Kg		89	90 - 110	0	20

Lab Sample ID: 890-4772-11 MS

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: AH-5 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	41.1	F1	249	338.3	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-4772-11 MSD

Matrix: Solid

Analysis Batch: 54795

Client Sample ID: AH-5 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	41.1	F1	249	338.7	F1	mg/Kg		120	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

GC VOA

Prep Batch: 54706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-8	AH-2 (0-1')	Total/NA	Solid	5035	
890-4772-9	AH-3 (0-1')	Total/NA	Solid	5035	
890-4772-10	AH-4 (0-1')	Total/NA	Solid	5035	
890-4772-11	AH-5 (0-1')	Total/NA	Solid	5035	
890-4772-12	AH-6 (0-1')	Total/NA	Solid	5035	
MB 880-54706/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54706/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54706/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4765-A-26-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4765-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	8021B	54723
890-4772-2	H-2 (0-1')	Total/NA	Solid	8021B	54723
890-4772-3	H-3 (0-1')	Total/NA	Solid	8021B	54723
890-4772-4	H-4 (0-1')	Total/NA	Solid	8021B	54723
890-4772-5	H-5 (0-1')	Total/NA	Solid	8021B	54723
890-4772-6	H-6 (0-1')	Total/NA	Solid	8021B	54723
890-4772-7	AH-1 (0-1')	Total/NA	Solid	8021B	54723
890-4772-8	AH-2 (0-1')	Total/NA	Solid	8021B	54706
890-4772-9	AH-3 (0-1')	Total/NA	Solid	8021B	54706
890-4772-10	AH-4 (0-1')	Total/NA	Solid	8021B	54706
890-4772-11	AH-5 (0-1')	Total/NA	Solid	8021B	54706
890-4772-12	AH-6 (0-1')	Total/NA	Solid	8021B	54706
MB 880-54706/5-A	Method Blank	Total/NA	Solid	8021B	54706
MB 880-54723/5-A	Method Blank	Total/NA	Solid	8021B	54723
LCS 880-54706/1-A	Lab Control Sample	Total/NA	Solid	8021B	54706
LCS 880-54723/1-A	Lab Control Sample	Total/NA	Solid	8021B	54723
LCSD 880-54706/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54706
LCSD 880-54723/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54723
890-4765-A-26-C MS	Matrix Spike	Total/NA	Solid	8021B	54706
890-4765-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54706
890-4769-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	54723
890-4769-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54723

Prep Batch: 54723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	5035	
890-4772-2	H-2 (0-1')	Total/NA	Solid	5035	
890-4772-3	H-3 (0-1')	Total/NA	Solid	5035	
890-4772-4	H-4 (0-1')	Total/NA	Solid	5035	
890-4772-5	H-5 (0-1')	Total/NA	Solid	5035	
890-4772-6	H-6 (0-1')	Total/NA	Solid	5035	
890-4772-7	AH-1 (0-1')	Total/NA	Solid	5035	
MB 880-54723/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54723/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54723/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4769-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
890-4769-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

GC VOA

Analysis Batch: 54878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-7	AH-1 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-8	AH-2 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-9	AH-3 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-10	AH-4 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-11	AH-5 (0-1')	Total/NA	Solid	Total BTEX	
890-4772-12	AH-6 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 54716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-2	H-2 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-3	H-3 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-4	H-4 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-5	H-5 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-6	H-6 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-7	AH-1 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-8	AH-2 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-9	AH-3 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-10	AH-4 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-11	AH-5 (0-1')	Total/NA	Solid	8015B NM	54721
890-4772-12	AH-6 (0-1')	Total/NA	Solid	8015B NM	54721
MB 880-54721/1-A	Method Blank	Total/NA	Solid	8015B NM	54721
LCS 880-54721/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54721
LCSD 880-54721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54721
880-29062-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54721
880-29062-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54721

Prep Batch: 54721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-7	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-8	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-9	AH-3 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-10	AH-4 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-11	AH-5 (0-1')	Total/NA	Solid	8015NM Prep	
890-4772-12	AH-6 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-54721/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54721/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 54721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-54721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29062-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29062-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
890-4772-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
890-4772-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
890-4772-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
890-4772-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
890-4772-6	H-6 (0-1')	Total/NA	Solid	8015 NM	
890-4772-7	AH-1 (0-1')	Total/NA	Solid	8015 NM	
890-4772-8	AH-2 (0-1')	Total/NA	Solid	8015 NM	
890-4772-9	AH-3 (0-1')	Total/NA	Solid	8015 NM	
890-4772-10	AH-4 (0-1')	Total/NA	Solid	8015 NM	
890-4772-11	AH-5 (0-1')	Total/NA	Solid	8015 NM	
890-4772-12	AH-6 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Soluble	Solid	DI Leach	
890-4772-2	H-2 (0-1')	Soluble	Solid	DI Leach	
890-4772-3	H-3 (0-1')	Soluble	Solid	DI Leach	
890-4772-4	H-4 (0-1')	Soluble	Solid	DI Leach	
890-4772-5	H-5 (0-1')	Soluble	Solid	DI Leach	
890-4772-6	H-6 (0-1')	Soluble	Solid	DI Leach	
890-4772-7	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-4772-8	AH-2 (0-1')	Soluble	Solid	DI Leach	
890-4772-9	AH-3 (0-1')	Soluble	Solid	DI Leach	
890-4772-10	AH-4 (0-1')	Soluble	Solid	DI Leach	
890-4772-11	AH-5 (0-1')	Soluble	Solid	DI Leach	
890-4772-12	AH-6 (0-1')	Soluble	Solid	DI Leach	
MB 880-54667/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54667/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54667/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4772-1 MS	H-1 (0-1')	Soluble	Solid	DI Leach	
890-4772-1 MSD	H-1 (0-1')	Soluble	Solid	DI Leach	
890-4772-11 MS	AH-5 (0-1')	Soluble	Solid	DI Leach	
890-4772-11 MSD	AH-5 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 54795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-1	H-1 (0-1')	Soluble	Solid	300.0	54667
890-4772-2	H-2 (0-1')	Soluble	Solid	300.0	54667
890-4772-3	H-3 (0-1')	Soluble	Solid	300.0	54667
890-4772-4	H-4 (0-1')	Soluble	Solid	300.0	54667
890-4772-5	H-5 (0-1')	Soluble	Solid	300.0	54667
890-4772-6	H-6 (0-1')	Soluble	Solid	300.0	54667

Eurofins Carlsbad

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 54795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4772-7	AH-1 (0-1')	Soluble	Solid	300.0	54667
890-4772-8	AH-2 (0-1')	Soluble	Solid	300.0	54667
890-4772-9	AH-3 (0-1')	Soluble	Solid	300.0	54667
890-4772-10	AH-4 (0-1')	Soluble	Solid	300.0	54667
890-4772-11	AH-5 (0-1')	Soluble	Solid	300.0	54667
890-4772-12	AH-6 (0-1')	Soluble	Solid	300.0	54667
MB 880-54667/1-A	Method Blank	Soluble	Solid	300.0	54667
LCS 880-54667/2-A	Lab Control Sample	Soluble	Solid	300.0	54667
LCSD 880-54667/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54667
890-4772-1 MS	H-1 (0-1')	Soluble	Solid	300.0	54667
890-4772-1 MSD	H-1 (0-1')	Soluble	Solid	300.0	54667
890-4772-11 MS	AH-5 (0-1')	Soluble	Solid	300.0	54667
890-4772-11 MSD	AH-5 (0-1')	Soluble	Solid	300.0	54667

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-1 (0-1')

Lab Sample ID: 890-4772-1

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 19:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/05/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 14:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 21:26	CH	EET MID

Client Sample ID: H-2 (0-1')

Lab Sample ID: 890-4772-2

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 19:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/05/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 21:42	CH	EET MID

Client Sample ID: H-3 (0-1')

Lab Sample ID: 890-4772-3

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 19:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/05/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 21:48	CH	EET MID

Client Sample ID: H-4 (0-1')

Lab Sample ID: 890-4772-4

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 20:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: H-4 (0-1')

Lab Sample ID: 890-4772-4

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

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			54820	06/05/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 21:53	CH	EET MID

Client Sample ID: H-5 (0-1')

Lab Sample ID: 890-4772-5

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 20:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/05/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 21:58	CH	EET MID

Client Sample ID: H-6 (0-1')

Lab Sample ID: 890-4772-6

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 21:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:14	CH	EET MID

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-4772-7

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54723	06/05/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/05/23 21:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 17:14	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 890-4772-7

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:20	CH	EET MID

Client Sample ID: AH-2 (0-1')

Lab Sample ID: 890-4772-8

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54706	06/03/23 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/06/23 08:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:25	CH	EET MID

Client Sample ID: AH-3 (0-1')

Lab Sample ID: 890-4772-9

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54706	06/03/23 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/06/23 09:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:30	CH	EET MID

Client Sample ID: AH-4 (0-1')

Lab Sample ID: 890-4772-10

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54706	06/03/23 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/06/23 09:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 18:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:36	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Client Sample ID: AH-5 (0-1')

Lab Sample ID: 890-4772-11

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54706	06/03/23 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/06/23 10:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 18:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:41	CH	EET MID

Client Sample ID: AH-6 (0-1')

Lab Sample ID: 890-4772-12

Date Collected: 05/31/23 00:00

Matrix: Solid

Date Received: 06/01/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54706	06/03/23 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54717	06/06/23 10:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54878	06/06/23 12:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			54820	06/06/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54721	06/05/23 09:17	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54716	06/05/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54667	06/05/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			54795	06/05/23 22:57	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: East Eumont CTB (Pasture)

Job ID: 890-4772-1
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

- 1
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Method Summary

Client: Tetra Tech, Inc.
Project/Site: East Eumont CTB (Pasture)

Job ID: 890-4772-1
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: East Eumont CTB (Pasture)

Job ID: 890-4772-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4772-1	H-1 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-2	H-2 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-3	H-3 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-4	H-4 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-5	H-5 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-6	H-6 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-7	AH-1 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-8	AH-2 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-9	AH-3 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-10	AH-4 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-11	AH-5 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1
890-4772-12	AH-6 (0-1')	Solid	05/31/23 00:00	06/01/23 16:45	0 - 1

Analysis Request of Chain of Custody Record



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: East Eumont CTB (Pasture) Project #: (432) 741-5813
Brittany.long@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-03133 Task 200

Invoice to: Accounts Payable 901 West Wall Street,
Suit 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Lab Sampler Signature: Jorge Fernandez

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8021C TPH TX1005 (Ext to 1000) (Ext to 1000) TPH 8015M (GRO 8015M) PAH 8270C Total Metals Ag As B TCLP Metals Ag As TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B GC/MS Semi. Vol. 8260C PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate General Water Chem Anion/Cation Balance	Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Relinquished by: *Jorge Fernandez* Date: 6-01-23 Time: *6:01-23*

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____



890-4772 Chain of Custody

LAB USE ONLY

Sample Temperature: *28.1*

REMARKS: *Standard TAT*

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Hold

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 2 of 2

2

[illegible]

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-4772-1

SDG Number: Lea County NM

Login Number: 4772

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: 890-4772-1

SDG Number: Lea County NM

Login Number: 4772

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/05/23 09:16 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/6/2024 5:04:10 PM

JOB DESCRIPTION

EAST EUMONT
Lea County NM

JOB NUMBER

890-6284-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



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3/6/2024 5:04:10 PM

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

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Laboratory Job ID: 890-6284-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

Case Narrative

Client: Tetra Tech, Inc.
Project: EAST EUMONT

Job ID: 890-6284-1

Job ID: 890-6284-1

Eurofins Carlsbad

Job Narrative
890-6284-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 2/29/2024 8:00 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 -5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 1 (1.0) (890-6284-1), BH - 2 (1.0) (890-6284-2), BH - 3 (1.0) (890-6284-3), BH - 4 (1.0) (890-6284-4), BH - 5 (1.0) (890-6284-5), BH - 6 (1.0) (890-6284-6), BH - 7 (1.0) (890-6284-7), BH - 8 (1.0) (890-6284-8), BH - 9 (1.0) (890-6284-9), BH - 10 (1.0) (890-6284-10), BH - 11 (1.0) (890-6284-11), BH - 12 (1.0) (890-6284-12), BH - 13 (1.0) (890-6284-13), BH - 14 (1.0) (890-6284-14), BH - 15 (1.0) (890-6284-15), BH - 16 (1.0) (890-6284-16), BH - 17 (1.0) (890-6284-17), SW - 1 (890-6284-18), SW - 2 (890-6284-19), SW - 3 (890-6284-20), SW - 4 (890-6284-21), SW - 5 (890-6284-22), SW - 6 (890-6284-23), SW - 7 (890-6284-24), SW - 8 (890-6284-25) and SW - 9 (890-6284-26).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-74523 and 880-74618 and analytical batch 880-74553 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-74553 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-74553/20).

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 method blank for preparation batch 880-74698 and analytical batch 880-74566 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-74697 and analytical batch 880-74568 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH - 1 (1.0) (890-6284-1), BH - 2 (1.0) (890-6284-2), BH - 3 (1.0) (890-6284-3), BH - 4 (1.0) (890-6284-4), BH - 5 (1.0) (890-6284-5), BH - 6 (1.0) (890-6284-6), BH - 7 (1.0) (890-6284-7), BH - 8 (1.0) (890-6284-8), BH - 9 (1.0) (890-6284-9), BH - 11 (1.0) (890-6284-11), BH - 12 (1.0) (890-6284-12), BH - 13 (1.0) (890-6284-13), BH - 15 (1.0) (890-6284-15), BH - 16 (1.0) (890-6284-16), BH - 17 (1.0) (890-6284-17), SW - 2 (890-6284-19) and (890-6284-A-3-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-74697/2-A) and (LCSD 880-74697/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-74697 and analytical batch 880-74568 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.

Eurofins Carlsbad

Case Narrative

Client: Tetra Tech, Inc.
Project: EAST EUMONT

Job ID: 890-6284-1

Job ID: 890-6284-1 (Continued)Eurofins Carlsbad

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-74838 and analytical batch 880-74861 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

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

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 1 (1.0)

Lab Sample ID: 890-6284-1

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/04/24 22:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/04/24 22:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/04/24 22:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/24 12:52	03/04/24 22:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/04/24 22:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/24 12:52	03/04/24 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/04/24 12:52	03/04/24 22:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/04/24 12:52	03/04/24 22:42	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	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/04/24 22:31	1
Diesel Range Organics (Over C10-C28)	107	*- *1	50.5		mg/Kg		03/04/24 15:56	03/04/24 22:31	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/04/24 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	03/04/24 15:56	03/04/24 22:31	1
o-Terphenyl	146	S1+	70 - 130	03/04/24 15:56	03/04/24 22:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.1		4.99		mg/Kg			03/05/24 10:25	1

Client Sample ID: BH - 2 (1.0)

Lab Sample ID: 890-6284-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/04/24 23:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/04/24 23:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/04/24 23:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/04/24 23:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/04/24 23:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/04/24 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/04/24 12:52	03/04/24 23:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/04/24 12:52	03/04/24 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/04/24 22:52	1
Diesel Range Organics (Over C10-C28)	110	*- *1	49.7		mg/Kg		03/04/24 15:56	03/04/24 22:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/04/24 22:52	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 2 (1.0)

Lab Sample ID: 890-6284-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	03/04/24 15:56	03/04/24 22:52	1
o-Terphenyl	159	S1+	70 - 130	03/04/24 15:56	03/04/24 22:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.7		5.04		mg/Kg			03/05/24 10:38	1

Client Sample ID: BH - 3 (1.0)

Lab Sample ID: 890-6284-3

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/04/24 23:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/04/24 23:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/04/24 23:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/04/24 12:52	03/04/24 23:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/04/24 23:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/04/24 12:52	03/04/24 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/04/24 12:52	03/04/24 23:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130				03/04/24 12:52	03/04/24 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/04/24 15:56	03/04/24 21:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		03/04/24 15:56	03/04/24 21:29	1
Oil Range Organics (Over C28-C36)	100		49.9		mg/Kg		03/04/24 15:56	03/04/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				03/04/24 15:56	03/04/24 21:29	1
o-Terphenyl	146	S1+	70 - 130				03/04/24 15:56	03/04/24 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.9		5.04		mg/Kg			03/05/24 10:42	1

Client Sample ID: BH - 4 (1.0)

Lab Sample ID: 890-6284-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/04/24 23:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 23:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 23:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/04/24 12:52	03/04/24 23:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 23:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/04/24 12:52	03/04/24 23:43	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 4 (1.0)

Lab Sample ID: 890-6284-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/04/24 12:52	03/04/24 23:43	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/04/24 12:52	03/04/24 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/04/24 23:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		03/04/24 15:56	03/04/24 23:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/04/24 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				03/04/24 15:56	03/04/24 23:13	1
o-Terphenyl	142	S1+	70 - 130				03/04/24 15:56	03/04/24 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		4.97		mg/Kg			03/05/24 10:47	1

Client Sample ID: BH - 5 (1.0)

Lab Sample ID: 890-6284-5

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 00:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 00:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 00:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 00:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 00:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/04/24 12:52	03/05/24 00:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/04/24 12:52	03/05/24 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/04/24 15:56	03/04/24 23:34	1
Diesel Range Organics (Over C10-C28)	114	*- *1	49.9		mg/Kg		03/04/24 15:56	03/04/24 23:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/24 15:56	03/04/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				03/04/24 15:56	03/04/24 23:34	1
o-Terphenyl	152	S1+	70 - 130				03/04/24 15:56	03/04/24 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		4.96		mg/Kg			03/05/24 10:51	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 6 (1.0)

Lab Sample ID: 890-6284-6

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 00:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 00:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 00:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/04/24 12:52	03/05/24 00:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 00:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/04/24 12:52	03/05/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/04/24 12:52	03/05/24 00:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/04/24 12:52	03/05/24 00:24	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	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/04/24 23:55	1
Diesel Range Organics (Over C10-C28)	50.9	*- *1	50.1		mg/Kg		03/04/24 15:56	03/04/24 23:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/04/24 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	03/04/24 15:56	03/04/24 23:55	1
o-Terphenyl	152	S1+	70 - 130	03/04/24 15:56	03/04/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		5.01		mg/Kg			03/05/24 11:04	1

Client Sample ID: BH - 7 (1.0)

Lab Sample ID: 890-6284-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 00:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 00:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 00:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 00:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 00:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/04/24 12:52	03/05/24 00:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/04/24 12:52	03/05/24 00:45	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	<50.4	U	50.4		mg/Kg		03/04/24 15:56	03/05/24 00:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		03/04/24 15:56	03/05/24 00:16	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		03/04/24 15:56	03/05/24 00:16	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 7 (1.0)

Lab Sample ID: 890-6284-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	03/04/24 15:56	03/05/24 00:16	1
o-Terphenyl	132	S1+	70 - 130	03/04/24 15:56	03/05/24 00:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.00		mg/Kg			03/05/24 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: BH - 8 (1.0)

Lab Sample ID: 890-6284-8

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 01:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 01:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 01:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 01:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 01:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/04/24 12:52	03/05/24 01:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/04/24 12:52	03/05/24 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:37	1
Diesel Range Organics (Over C10-C28)	55.4	*- *1	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:37	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	03/04/24 15:56	03/05/24 00:37	1
o-Terphenyl	142	S1+	70 - 130	03/04/24 15:56	03/05/24 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		4.99		mg/Kg			03/05/24 11:13	1

Client Sample ID: BH - 9 (1.0)

Lab Sample ID: 890-6284-9

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 01:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/05/24 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 01:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/05/24 01:26	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 9 (1.0)

Lab Sample ID: 890-6284-9

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/04/24 12:52	03/05/24 01:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/04/24 12:52	03/05/24 01:26	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				03/04/24 15:56	03/05/24 00:58	1
o-Terphenyl	137	S1+	70 - 130				03/04/24 15:56	03/05/24 00:58	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.0		5.03		mg/Kg			03/05/24 11:18	1

Client Sample ID: BH - 10 (1.0)

Lab Sample ID: 890-6284-10

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 01:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 01:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 01:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/04/24 12:52	03/05/24 01:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 01:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/04/24 12:52	03/05/24 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/04/24 12:52	03/05/24 01:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/04/24 12:52	03/05/24 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/05/24 01:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		03/04/24 15:56	03/05/24 01:19	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/05/24 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/04/24 15:56	03/05/24 01:19	1
o-Terphenyl	117		70 - 130				03/04/24 15:56	03/05/24 01:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		5.05		mg/Kg			03/05/24 11:22	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 11 (1.0)

Lab Sample ID: 890-6284-11

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 03:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 03:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/04/24 12:52	03/05/24 03:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/04/24 12:52	03/05/24 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/05/24 02:01	1
Diesel Range Organics (Over C10-C28)	71.8	*- *1	50.5		mg/Kg		03/04/24 15:56	03/05/24 02:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/05/24 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	03/04/24 15:56	03/05/24 02:01	1
o-Terphenyl	144	S1+	70 - 130	03/04/24 15:56	03/05/24 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.7		5.04		mg/Kg			03/05/24 11:27	1

Client Sample ID: BH - 12 (1.0)

Lab Sample ID: 890-6284-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 03:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 03:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 03:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/04/24 12:52	03/05/24 03:29	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/04/24 12:52	03/05/24 03:29	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		03/04/24 15:56	03/05/24 02:22	1
Diesel Range Organics (Over C10-C28)	137	*- *1	49.9		mg/Kg		03/04/24 15:56	03/05/24 02:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/24 15:56	03/05/24 02:22	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 12 (1.0)

Lab Sample ID: 890-6284-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	03/04/24 15:56	03/05/24 02:22	1
o-Terphenyl	146	S1+	70 - 130	03/04/24 15:56	03/05/24 02:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.4		4.98		mg/Kg			03/05/24 11:40	1

Client Sample ID: BH - 13 (1.0)

Lab Sample ID: 890-6284-13

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 03:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 03:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 03:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/04/24 12:52	03/05/24 03:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 03:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/04/24 12:52	03/05/24 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/04/24 12:52	03/05/24 03:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/04/24 12:52	03/05/24 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		03/04/24 15:56	03/05/24 02:43	1
Diesel Range Organics (Over C10-C28)	57.9	*- *1	49.5		mg/Kg		03/04/24 15:56	03/05/24 02:43	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		03/04/24 15:56	03/05/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	03/04/24 15:56	03/05/24 02:43	1
o-Terphenyl	138	S1+	70 - 130	03/04/24 15:56	03/05/24 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		4.97		mg/Kg			03/05/24 11:44	1

Client Sample ID: BH - 14 (1.0)

Lab Sample ID: 890-6284-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 04:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 04:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 04:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/04/24 12:52	03/05/24 04:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 04:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/04/24 12:52	03/05/24 04:10	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 14 (1.0)

Lab Sample ID: 890-6284-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/04/24 12:52	03/05/24 04:10	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/04/24 12:52	03/05/24 04:10	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	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 03:05	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		03/04/24 15:56	03/05/24 03:05	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/04/24 15:56	03/05/24 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/04/24 15:56	03/05/24 03:05	1
o-Terphenyl	111		70 - 130				03/04/24 15:56	03/05/24 03:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.8		4.99		mg/Kg			03/05/24 11:58	1

Client Sample ID: BH - 15 (1.0)

Lab Sample ID: 890-6284-15

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 04:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 04:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 04:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/24 12:52	03/05/24 04:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 12:52	03/05/24 04:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/24 12:52	03/05/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/04/24 12:52	03/05/24 04:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/04/24 12:52	03/05/24 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/05/24 03:26	1
Diesel Range Organics (Over C10-C28)	83.8	*- *1	50.1		mg/Kg		03/04/24 15:56	03/05/24 03:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/04/24 15:56	03/05/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				03/04/24 15:56	03/05/24 03:26	1
o-Terphenyl	138	S1+	70 - 130				03/04/24 15:56	03/05/24 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.2		5.05		mg/Kg			03/05/24 12:02	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 16 (1.0)

Lab Sample ID: 890-6284-16

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 04:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 04:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 04:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 04:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 04:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/04/24 12:52	03/05/24 04:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/04/24 12:52	03/05/24 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/05/24 03:47	1
Diesel Range Organics (Over C10-C28)	65.7	*- *1	50.5		mg/Kg		03/04/24 15:56	03/05/24 03:47	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/04/24 15:56	03/05/24 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	03/04/24 15:56	03/05/24 03:47	1
o-Terphenyl	140	S1+	70 - 130	03/04/24 15:56	03/05/24 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.3		5.03		mg/Kg			03/05/24 12:06	1

Client Sample ID: BH - 17 (1.0)

Lab Sample ID: 890-6284-17

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 05:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 05:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 05:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 05:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 12:52	03/05/24 05:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 12:52	03/05/24 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/04/24 12:52	03/05/24 05:12	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/04/24 12:52	03/05/24 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:08	1
Diesel Range Organics (Over C10-C28)	125	*- *1	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:08	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 17 (1.0)

Lab Sample ID: 890-6284-17

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	03/04/24 15:56	03/05/24 04:08	1
o-Terphenyl	135	S1+	70 - 130	03/04/24 15:56	03/05/24 04:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.6		5.00		mg/Kg			03/05/24 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: SW - 1

Lab Sample ID: 890-6284-18

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 05:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/05/24 05:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/05/24 05:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/04/24 12:52	03/05/24 05:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/04/24 12:52	03/05/24 05:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/04/24 12:52	03/05/24 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/04/24 12:52	03/05/24 05:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/04/24 12:52	03/05/24 05:32	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		03/04/24 15:56	03/05/24 04:29	1
Diesel Range Organics (Over C10-C28)	61.1	*- *1	49.9		mg/Kg		03/04/24 15:56	03/05/24 04:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/24 15:56	03/05/24 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/04/24 15:56	03/05/24 04:29	1
o-Terphenyl	118		70 - 130	03/04/24 15:56	03/05/24 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.5		5.02		mg/Kg			03/05/24 12:15	1

Client Sample ID: SW - 2

Lab Sample ID: 890-6284-19

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 05:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 05:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 05:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 05:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 12:52	03/05/24 05:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 12:52	03/05/24 05:53	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 2

Lab Sample ID: 890-6284-19

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/04/24 12:52	03/05/24 05:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/04/24 12:52	03/05/24 05:53	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:50	1
Diesel Range Organics (Over C10-C28)	112	*- *1	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/04/24 15:56	03/05/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				03/04/24 15:56	03/05/24 04:50	1
o-Terphenyl	132	S1+	70 - 130				03/04/24 15:56	03/05/24 04:50	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.2		4.98		mg/Kg			03/05/24 12:20	1

Client Sample ID: SW - 3

Lab Sample ID: 890-6284-20

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 12:52	03/05/24 06:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 06:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 06:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/05/24 06:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/05/24 06:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/05/24 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/04/24 12:52	03/05/24 06:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/04/24 12:52	03/05/24 06:14	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/05/24 05:12	1
Diesel Range Organics (Over C10-C28)	113	*- *1	50.0		mg/Kg		03/04/24 15:56	03/05/24 05:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/05/24 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				03/04/24 15:56	03/05/24 05:12	1
o-Terphenyl	128		70 - 130				03/04/24 15:56	03/05/24 05:12	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.7		4.98		mg/Kg			03/05/24 12:24	

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 4

Lab Sample ID: 890-6284-21

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 08:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 08:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 08:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/04/24 11:27	03/05/24 08:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 08:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/04/24 11:27	03/05/24 08:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/04/24 11:27	03/05/24 08:08	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/04/24 11:27	03/05/24 08:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/04/24 16:01	03/04/24 22:31	1
Diesel Range Organics (Over C10-C28)	70.0		50.5		mg/Kg		03/04/24 16:01	03/04/24 22:31	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/04/24 16:01	03/04/24 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	03/04/24 16:01	03/04/24 22:31	1
o-Terphenyl	111		70 - 130	03/04/24 16:01	03/04/24 22:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		5.02		mg/Kg			03/05/24 14:25	1

Client Sample ID: SW - 5

Lab Sample ID: 890-6284-22

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 09:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/04/24 11:27	03/05/24 09:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/04/24 11:27	03/05/24 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/04/24 11:27	03/05/24 09:00	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/04/24 11:27	03/05/24 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/04/24 16:01	03/04/24 21:29	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		03/04/24 16:01	03/04/24 21:29	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/04/24 16:01	03/04/24 21:29	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 5

Lab Sample ID: 890-6284-22

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/04/24 16:01	03/04/24 21:29	1
o-Terphenyl	102		70 - 130	03/04/24 16:01	03/04/24 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.3		5.05		mg/Kg			03/05/24 14:38	1

Client Sample ID: SW - 6

Lab Sample ID: 890-6284-23

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 09:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 09:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 09:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 11:27	03/05/24 09:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 09:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 11:27	03/05/24 09:26	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/04/24 11:27	03/05/24 09:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/04/24 11:27	03/05/24 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 22:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 22:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 22:52	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	03/04/24 16:01	03/04/24 22:52	1
o-Terphenyl	107		70 - 130	03/04/24 16:01	03/04/24 22:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		5.03		mg/Kg			03/05/24 14:42	1

Client Sample ID: SW - 7

Lab Sample ID: 890-6284-24

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 09:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/24 11:27	03/05/24 09:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 11:27	03/05/24 09:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/24 11:27	03/05/24 09:52	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 7

Lab Sample ID: 890-6284-24

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/04/24 11:27	03/05/24 09:52	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/04/24 11:27	03/05/24 09:52	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		03/04/24 16:01	03/04/24 23:13	1
Diesel Range Organics (Over C10-C28)	64.9		50.0		mg/Kg		03/04/24 16:01	03/04/24 23:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/24 16:01	03/04/24 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/04/24 16:01	03/04/24 23:13	1
o-Terphenyl	109		70 - 130				03/04/24 16:01	03/04/24 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.7		4.99		mg/Kg			03/05/24 14:47	1

Client Sample ID: SW - 8

Lab Sample ID: 890-6284-25

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 10:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/04/24 11:27	03/05/24 10:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/04/24 11:27	03/05/24 10:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/04/24 11:27	03/05/24 10:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/04/24 11:27	03/05/24 10:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/04/24 11:27	03/05/24 10:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/04/24 11:27	03/05/24 10:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/04/24 11:27	03/05/24 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 23:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 23:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/04/24 16:01	03/04/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/04/24 16:01	03/04/24 23:34	1
o-Terphenyl	100		70 - 130				03/04/24 16:01	03/04/24 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.3		5.00		mg/Kg			03/05/24 14:51	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 9

Lab Sample ID: 890-6284-26

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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		03/04/24 11:27	03/05/24 11:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 11:27	03/05/24 11:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 11:27	03/05/24 11:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 11:27	03/05/24 11:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 11:27	03/05/24 11:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 11:27	03/05/24 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/04/24 11:27	03/05/24 11:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/04/24 11:27	03/05/24 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/05/24 17:05	03/06/24 12:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/05/24 17:05	03/06/24 12:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/05/24 17:05	03/06/24 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	03/05/24 17:05	03/06/24 12:13	1
o-Terphenyl	113		70 - 130	03/05/24 17:05	03/06/24 12:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.1		5.00		mg/Kg			03/05/24 15:05	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-6279-A-1-E MS	Matrix Spike	108	89
890-6279-A-1-F MSD	Matrix Spike Duplicate	115	84
890-6284-1	BH - 1 (1.0)	96	90
890-6284-1 MS	BH - 1 (1.0)	106	100
890-6284-1 MSD	BH - 1 (1.0)	108	100
890-6284-2	BH - 2 (1.0)	95	105
890-6284-3	BH - 3 (1.0)	103	99
890-6284-4	BH - 4 (1.0)	107	105
890-6284-5	BH - 5 (1.0)	104	102
890-6284-6	BH - 6 (1.0)	102	100
890-6284-7	BH - 7 (1.0)	102	99
890-6284-8	BH - 8 (1.0)	109	102
890-6284-9	BH - 9 (1.0)	100	98
890-6284-10	BH - 10 (1.0)	114	100
890-6284-11	BH - 11 (1.0)	99	101
890-6284-12	BH - 12 (1.0)	104	105
890-6284-13	BH - 13 (1.0)	105	101
890-6284-14	BH - 14 (1.0)	108	100
890-6284-15	BH - 15 (1.0)	99	96
890-6284-16	BH - 16 (1.0)	112	103
890-6284-17	BH - 17 (1.0)	114	104
890-6284-18	SW - 1	109	99
890-6284-19	SW - 2	110	102
890-6284-20	SW - 3	113	104
890-6284-21	SW - 4	107	86
890-6284-22	SW - 5	107	87
890-6284-23	SW - 6	106	92
890-6284-24	SW - 7	105	91
890-6284-25	SW - 8	100	93
890-6284-26	SW - 9	107	93
LCS 880-74618/1-A	Lab Control Sample	114	112
LCS 880-74637/1-A	Lab Control Sample	104	98
LCSD 880-74618/2-A	Lab Control Sample Dup	114	112
LCSD 880-74637/2-A	Lab Control Sample Dup	108	96
MB 880-74523/5-A	Method Blank	62 S1-	87
MB 880-74560/5-A	Method Blank	76	99
MB 880-74618/5-A	Method Blank	62 S1-	88
MB 880-74637/5-A	Method Blank	75	97
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)
890-6284-1	BH - 1 (1.0)	136 S1+	146 S1+

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 890-6284-1

Project/Site: EAST EUMONT

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)
890-6284-2	BH - 2 (1.0)	149 S1+	159 S1+
890-6284-3	BH - 3 (1.0)	138 S1+	146 S1+
890-6284-3 MS	BH - 3 (1.0)	130	128
890-6284-3 MSD	BH - 3 (1.0)	145 S1+	141 S1+
890-6284-4	BH - 4 (1.0)	138 S1+	142 S1+
890-6284-5	BH - 5 (1.0)	142 S1+	152 S1+
890-6284-6	BH - 6 (1.0)	147 S1+	152 S1+
890-6284-7	BH - 7 (1.0)	126	132 S1+
890-6284-8	BH - 8 (1.0)	134 S1+	142 S1+
890-6284-9	BH - 9 (1.0)	129	137 S1+
890-6284-10	BH - 10 (1.0)	113	117
890-6284-11	BH - 11 (1.0)	133 S1+	144 S1+
890-6284-12	BH - 12 (1.0)	144 S1+	146 S1+
890-6284-13	BH - 13 (1.0)	131 S1+	138 S1+
890-6284-14	BH - 14 (1.0)	106	111
890-6284-15	BH - 15 (1.0)	136 S1+	138 S1+
890-6284-16	BH - 16 (1.0)	132 S1+	140 S1+
890-6284-17	BH - 17 (1.0)	129	135 S1+
890-6284-18	SW - 1	111	118
890-6284-19	SW - 2	128	132 S1+
890-6284-20	SW - 3	121	128
890-6284-21	SW - 4	129	111
890-6284-22	SW - 5	120	102
890-6284-22 MS	SW - 5	117	94
890-6284-22 MSD	SW - 5	120	97
890-6284-23	SW - 6	125	107
890-6284-24	SW - 7	126	109
890-6284-25	SW - 8	117	100
890-6284-26	SW - 9	126	113
890-6296-A-9-D MS	Matrix Spike	117	98
890-6296-A-9-E MSD	Matrix Spike Duplicate	116	99
LCS 880-74697/2-A	Lab Control Sample	133 S1+	167 S1+
LCS 880-74698/2-A	Lab Control Sample	87	74
LCS 880-74838/2-A	Lab Control Sample	108	117
LCSD 880-74697/3-A	Lab Control Sample Dup	47 S1-	55 S1-
LCSD 880-74698/3-A	Lab Control Sample Dup	86	74
LCSD 880-74838/3-A	Lab Control Sample Dup	103	102
MB 880-74697/1-A	Method Blank	129	145 S1+
MB 880-74698/1-A	Method Blank	106	97
MB 880-74838/1-A	Method Blank	38 S1-	29 S1-

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74523/5-A

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/24 11:17	03/04/24 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/24 11:17	03/04/24 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/24 11:17	03/04/24 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/24 11:17	03/04/24 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/24 11:17	03/04/24 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/24 11:17	03/04/24 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	03/02/24 11:17	03/04/24 11:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/02/24 11:17	03/04/24 11:55	1

Lab Sample ID: MB 880-74560/5-A

Matrix: Solid

Analysis Batch: 74557

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 08:49	03/04/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 08:49	03/04/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 08:49	03/04/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 08:49	03/04/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 08:49	03/04/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 08:49	03/04/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	03/04/24 08:49	03/04/24 11:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/04/24 08:49	03/04/24 11:20	1

Lab Sample ID: MB 880-74618/5-A

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 01:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 11:27	03/05/24 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 11:27	03/05/24 01:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 11:27	03/05/24 01:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	03/04/24 11:27	03/05/24 01:13	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/04/24 11:27	03/05/24 01:13	1

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-74618/1-A

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09004		mg/Kg		90	70 - 130
Toluene	0.100	0.08524		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2045		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1079		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-74618/2-A

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09711		mg/Kg		97	70 - 130	8	35
Toluene	0.100	0.09538		mg/Kg		95	70 - 130	11	35
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2171		mg/Kg		109	70 - 130	6	35
o-Xylene	0.100	0.1147		mg/Kg		115	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-6279-A-1-E MS

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 74618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.07748		mg/Kg		77	70 - 130
Toluene	<0.00199	U	0.101	0.07923		mg/Kg		79	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08771		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1743		mg/Kg		86	70 - 130
o-Xylene	<0.00199	U	0.101	0.09036		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-6279-A-1-F MSD

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74618

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	0.08960		mg/Kg		89	70 - 130	15	35
Toluene	<0.00199	U	0.100	0.09376		mg/Kg		93	70 - 130	17	35
Ethylbenzene	<0.00199	U	0.100	0.1021		mg/Kg		102	70 - 130	15	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: 890-6279-A-1-F MSD

Matrix: Solid

Analysis Batch: 74553

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2047		mg/Kg		102	70 - 130	16	35
o-Xylene	<0.00199	U	0.100	0.1045		mg/Kg		104	70 - 130	15	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	115		70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								

Lab Sample ID: MB 880-74637/5-A

Matrix: Solid

Analysis Batch: 74557

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 12:52	03/04/24 22:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				03/04/24 12:52	03/04/24 22:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/04/24 12:52	03/04/24 22:20	1

Lab Sample ID: LCS 880-74637/1-A

Matrix: Solid

Analysis Batch: 74557

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74637

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	0.08789		mg/Kg		88	70 - 130		
Ethylbenzene	0.100	0.09962		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene	0.200	0.2040		mg/Kg		102	70 - 130		
o-Xylene	0.100	0.1015		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: LCSD 880-74637/2-A

Matrix: Solid

Analysis Batch: 74557

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08050		mg/Kg		81	70 - 130	6	35
Toluene	0.100	0.09022		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2193		mg/Kg		110	70 - 130	7	35
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130	7	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6284-1 MS
Matrix: Solid
Analysis Batch: 74557

Client Sample ID: BH - 1 (1.0)
Prep Type: Total/NA
Prep Batch: 74637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.07322		mg/Kg		74	70 - 130
Toluene	<0.00198	U	0.0996	0.07622		mg/Kg		77	70 - 130
Ethylbenzene	<0.00198	U	0.0996	0.07932		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1617		mg/Kg		81	70 - 130
o-Xylene	<0.00198	U	0.0996	0.08005		mg/Kg		80	70 - 130

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

Lab Sample ID: 890-6284-1 MSD
Matrix: Solid
Analysis Batch: 74557

Client Sample ID: BH - 1 (1.0)
Prep Type: Total/NA
Prep Batch: 74637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.101	0.08402		mg/Kg		83	70 - 130	14	35
Toluene	<0.00198	U	0.101	0.08460		mg/Kg		84	70 - 130	10	35
Ethylbenzene	<0.00198	U	0.101	0.09032		mg/Kg		90	70 - 130	13	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1838		mg/Kg		91	70 - 130	13	35
o-Xylene	<0.00198	U	0.101	0.09056		mg/Kg		90	70 - 130	12	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-74697/1-A
Matrix: Solid
Analysis Batch: 74568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74697

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		03/04/24 15:56	03/04/24 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/04/24 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/24 15:56	03/04/24 20:25	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	129		70 - 130	03/04/24 15:56	03/04/24 20:25	1			
o-Terphenyl	145	S1+	70 - 130	03/04/24 15:56	03/04/24 20:25	1			

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-74697/2-A

Matrix: Solid

Analysis Batch: 74568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1127		mg/Kg		113	70 - 130
	LCS %Recovery	LCS Qualifier	Limits				
Surrogate							
1-Chlorooctane	133	S1+	70 - 130				
o-Terphenyl	167	S1+	70 - 130				

Lab Sample ID: LCSD 880-74697/3-A

Matrix: Solid

Analysis Batch: 74568

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74697

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	947.9		mg/Kg		95	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	384.3	*- *1	mg/Kg		38	70 - 130	98	20
	LCSD %Recovery	LCSD Qualifier	Limits						
Surrogate									
1-Chlorooctane	47	S1-	70 - 130						
o-Terphenyl	55	S1-	70 - 130						

Lab Sample ID: 890-6284-3 MS

Matrix: Solid

Analysis Batch: 74568

Client Sample ID: BH - 3 (1.0)

Prep Type: Total/NA

Prep Batch: 74697

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	1000	1017		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	1000	1122		mg/Kg		108	70 - 130
	MS %Recovery	MS Qualifier	Limits						
Surrogate									
1-Chlorooctane	130		70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: 890-6284-3 MSD

Matrix: Solid

Analysis Batch: 74568

Client Sample ID: BH - 3 (1.0)

Prep Type: Total/NA

Prep Batch: 74697

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	1000	1103		mg/Kg		110	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	1000	1238		mg/Kg		120	70 - 130	10	20
	MSD %Recovery	MSD Qualifier	Limits								
Surrogate											
1-Chlorooctane	145	S1+	70 - 130								

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: 890-6284-3 MSD

Matrix: Solid

Analysis Batch: 74568

Client Sample ID: BH - 3 (1.0)

Prep Type: Total/NA

Prep Batch: 74697

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	141	S1+	70 - 130

Lab Sample ID: MB 880-74698/1-A

Matrix: Solid

Analysis Batch: 74566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74698

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/24 16:01	03/04/24 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/24 16:01	03/04/24 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/24 16:01	03/04/24 20:25	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	106		70 - 130				03/04/24 16:01	03/04/24 20:25	1
<i>o</i> -Terphenyl	97		70 - 130				03/04/24 16:01	03/04/24 20:25	1

Lab Sample ID: LCS 880-74698/2-A

Matrix: Solid

Analysis Batch: 74566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	799.9		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1065		mg/Kg		107	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	87		70 - 130				
<i>o</i> -Terphenyl	74		70 - 130				

Lab Sample ID: LCSD 880-74698/3-A

Matrix: Solid

Analysis Batch: 74566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	765.3		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130	1	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	86		70 - 130						
<i>o</i> -Terphenyl	74		70 - 130						

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: 890-6284-22 MS

Matrix: Solid

Analysis Batch: 74566

Client Sample ID: SW - 5

Prep Type: Total/NA

Prep Batch: 74698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	865.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	1051		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 890-6284-22 MSD

Matrix: Solid

Analysis Batch: 74566

Client Sample ID: SW - 5

Prep Type: Total/NA

Prep Batch: 74698

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	<50.3	U	1010	910.5		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	1096		mg/Kg		106	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: MB 880-74838/1-A

Matrix: Solid

Analysis Batch: 74861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74838

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		03/05/24 17:05	03/06/24 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/24 17:05	03/06/24 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/24 17:05	03/06/24 08:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	38	S1-	70 - 130				03/05/24 17:05	03/06/24 08:13	1
o-Terphenyl	29	S1-	70 - 130				03/05/24 17:05	03/06/24 08:13	1

Lab Sample ID: LCS 880-74838/2-A

Matrix: Solid

Analysis Batch: 74861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1117		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	960.8		mg/Kg		96	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-74838/2-A
Matrix: Solid
Analysis Batch: 74861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74838

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-74838/3-A
Matrix: Solid
Analysis Batch: 74861

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74838

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	890.5		mg/Kg		89	70 - 130	8	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		103		70 - 130					
o-Terphenyl		102		70 - 130					

Lab Sample ID: 890-6296-A-9-D MS
Matrix: Solid
Analysis Batch: 74861

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 74838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	867.6		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	929.0		mg/Kg		89	70 - 130		
Surrogate		MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane		117		70 - 130							
o-Terphenyl		98		70 - 130							

Lab Sample ID: 890-6296-A-9-E MSD
Matrix: Solid
Analysis Batch: 74861

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 74838

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	<49.7	U	1010	849.2		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	945.7		mg/Kg		91	70 - 130	2	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		116		70 - 130							
o-Terphenyl		99		70 - 130							

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74411/1-A

Matrix: Solid

Analysis Batch: 74744

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			03/05/24 10:10	1

Lab Sample ID: LCS 880-74411/2-A

Matrix: Solid

Analysis Batch: 74744

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-74411/3-A

Matrix: Solid

Analysis Batch: 74744

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	249.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-6284-1 MS

Matrix: Solid

Analysis Batch: 74744

Client Sample ID: BH - 1 (1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82.1		250	317.3		mg/Kg		94	90 - 110

Lab Sample ID: 890-6284-1 MSD

Matrix: Solid

Analysis Batch: 74744

Client Sample ID: BH - 1 (1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.1		250	318.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-6284-11 MS

Matrix: Solid

Analysis Batch: 74744

Client Sample ID: BH - 11 (1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	52.7		252	325.5		mg/Kg		108	90 - 110

Lab Sample ID: 890-6284-11 MSD

Matrix: Solid

Analysis Batch: 74744

Client Sample ID: BH - 11 (1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	52.7		252	327.1		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-74414/1-A

Matrix: Solid

Analysis Batch: 74747

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			03/05/24 14:11	1

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-74414/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 74747											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-74414/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 74747											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-6284-21 MS						Client Sample ID: SW - 4					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 74747											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	50.0		251	312.3		mg/Kg		105	90 - 110		

Lab Sample ID: 890-6284-21 MSD						Client Sample ID: SW - 4					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 74747											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.0		251	312.2		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

GC VOA

Prep Batch: 74523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74523/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 74553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Total/NA	Solid	8021B	74618
890-6284-22	SW - 5	Total/NA	Solid	8021B	74618
890-6284-23	SW - 6	Total/NA	Solid	8021B	74618
890-6284-24	SW - 7	Total/NA	Solid	8021B	74618
890-6284-25	SW - 8	Total/NA	Solid	8021B	74618
890-6284-26	SW - 9	Total/NA	Solid	8021B	74618
MB 880-74523/5-A	Method Blank	Total/NA	Solid	8021B	74523
MB 880-74618/5-A	Method Blank	Total/NA	Solid	8021B	74618
LCS 880-74618/1-A	Lab Control Sample	Total/NA	Solid	8021B	74618
LCSD 880-74618/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74618
890-6279-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	74618
890-6279-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	74618

Analysis Batch: 74557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Total/NA	Solid	8021B	74637
890-6284-2	BH - 2 (1.0)	Total/NA	Solid	8021B	74637
890-6284-3	BH - 3 (1.0)	Total/NA	Solid	8021B	74637
890-6284-4	BH - 4 (1.0)	Total/NA	Solid	8021B	74637
890-6284-5	BH - 5 (1.0)	Total/NA	Solid	8021B	74637
890-6284-6	BH - 6 (1.0)	Total/NA	Solid	8021B	74637
890-6284-7	BH - 7 (1.0)	Total/NA	Solid	8021B	74637
890-6284-8	BH - 8 (1.0)	Total/NA	Solid	8021B	74637
890-6284-9	BH - 9 (1.0)	Total/NA	Solid	8021B	74637
890-6284-10	BH - 10 (1.0)	Total/NA	Solid	8021B	74637
890-6284-11	BH - 11 (1.0)	Total/NA	Solid	8021B	74637
890-6284-12	BH - 12 (1.0)	Total/NA	Solid	8021B	74637
890-6284-13	BH - 13 (1.0)	Total/NA	Solid	8021B	74637
890-6284-14	BH - 14 (1.0)	Total/NA	Solid	8021B	74637
890-6284-15	BH - 15 (1.0)	Total/NA	Solid	8021B	74637
890-6284-16	BH - 16 (1.0)	Total/NA	Solid	8021B	74637
890-6284-17	BH - 17 (1.0)	Total/NA	Solid	8021B	74637
890-6284-18	SW - 1	Total/NA	Solid	8021B	74637
890-6284-19	SW - 2	Total/NA	Solid	8021B	74637
890-6284-20	SW - 3	Total/NA	Solid	8021B	74637
MB 880-74560/5-A	Method Blank	Total/NA	Solid	8021B	74560
MB 880-74637/5-A	Method Blank	Total/NA	Solid	8021B	74637
LCS 880-74637/1-A	Lab Control Sample	Total/NA	Solid	8021B	74637
LCSD 880-74637/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74637
890-6284-1 MS	BH - 1 (1.0)	Total/NA	Solid	8021B	74637
890-6284-1 MSD	BH - 1 (1.0)	Total/NA	Solid	8021B	74637

Prep Batch: 74560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74560/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

GC VOA

Prep Batch: 74618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Total/NA	Solid	5035	
890-6284-22	SW - 5	Total/NA	Solid	5035	
890-6284-23	SW - 6	Total/NA	Solid	5035	
890-6284-24	SW - 7	Total/NA	Solid	5035	
890-6284-25	SW - 8	Total/NA	Solid	5035	
890-6284-26	SW - 9	Total/NA	Solid	5035	
MB 880-74618/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74618/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74618/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6279-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-6279-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 74637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Total/NA	Solid	5035	
890-6284-2	BH - 2 (1.0)	Total/NA	Solid	5035	
890-6284-3	BH - 3 (1.0)	Total/NA	Solid	5035	
890-6284-4	BH - 4 (1.0)	Total/NA	Solid	5035	
890-6284-5	BH - 5 (1.0)	Total/NA	Solid	5035	
890-6284-6	BH - 6 (1.0)	Total/NA	Solid	5035	
890-6284-7	BH - 7 (1.0)	Total/NA	Solid	5035	
890-6284-8	BH - 8 (1.0)	Total/NA	Solid	5035	
890-6284-9	BH - 9 (1.0)	Total/NA	Solid	5035	
890-6284-10	BH - 10 (1.0)	Total/NA	Solid	5035	
890-6284-11	BH - 11 (1.0)	Total/NA	Solid	5035	
890-6284-12	BH - 12 (1.0)	Total/NA	Solid	5035	
890-6284-13	BH - 13 (1.0)	Total/NA	Solid	5035	
890-6284-14	BH - 14 (1.0)	Total/NA	Solid	5035	
890-6284-15	BH - 15 (1.0)	Total/NA	Solid	5035	
890-6284-16	BH - 16 (1.0)	Total/NA	Solid	5035	
890-6284-17	BH - 17 (1.0)	Total/NA	Solid	5035	
890-6284-18	SW - 1	Total/NA	Solid	5035	
890-6284-19	SW - 2	Total/NA	Solid	5035	
890-6284-20	SW - 3	Total/NA	Solid	5035	
MB 880-74637/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74637/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74637/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6284-1 MS	BH - 1 (1.0)	Total/NA	Solid	5035	
890-6284-1 MSD	BH - 1 (1.0)	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 74566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Total/NA	Solid	8015B NM	74698
890-6284-22	SW - 5	Total/NA	Solid	8015B NM	74698
890-6284-23	SW - 6	Total/NA	Solid	8015B NM	74698
890-6284-24	SW - 7	Total/NA	Solid	8015B NM	74698
890-6284-25	SW - 8	Total/NA	Solid	8015B NM	74698
MB 880-74698/1-A	Method Blank	Total/NA	Solid	8015B NM	74698
LCS 880-74698/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74698

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 74566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-74698/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74698
890-6284-22 MS	SW - 5	Total/NA	Solid	8015B NM	74698
890-6284-22 MSD	SW - 5	Total/NA	Solid	8015B NM	74698

Analysis Batch: 74568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-2	BH - 2 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-3	BH - 3 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-4	BH - 4 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-5	BH - 5 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-6	BH - 6 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-7	BH - 7 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-8	BH - 8 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-9	BH - 9 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-10	BH - 10 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-11	BH - 11 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-12	BH - 12 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-13	BH - 13 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-14	BH - 14 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-15	BH - 15 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-16	BH - 16 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-17	BH - 17 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-18	SW - 1	Total/NA	Solid	8015B NM	74697
890-6284-19	SW - 2	Total/NA	Solid	8015B NM	74697
890-6284-20	SW - 3	Total/NA	Solid	8015B NM	74697
MB 880-74697/1-A	Method Blank	Total/NA	Solid	8015B NM	74697
LCS 880-74697/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74697
LCSD 880-74697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74697
890-6284-3 MS	BH - 3 (1.0)	Total/NA	Solid	8015B NM	74697
890-6284-3 MSD	BH - 3 (1.0)	Total/NA	Solid	8015B NM	74697

Prep Batch: 74697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-2	BH - 2 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-3	BH - 3 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-4	BH - 4 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-5	BH - 5 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-6	BH - 6 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-7	BH - 7 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-8	BH - 8 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-9	BH - 9 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-10	BH - 10 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-11	BH - 11 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-12	BH - 12 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-13	BH - 13 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-14	BH - 14 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-15	BH - 15 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-16	BH - 16 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-17	BH - 17 (1.0)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 74697 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-18	SW - 1	Total/NA	Solid	8015NM Prep	
890-6284-19	SW - 2	Total/NA	Solid	8015NM Prep	
890-6284-20	SW - 3	Total/NA	Solid	8015NM Prep	
MB 880-74697/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74697/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6284-3 MS	BH - 3 (1.0)	Total/NA	Solid	8015NM Prep	
890-6284-3 MSD	BH - 3 (1.0)	Total/NA	Solid	8015NM Prep	

Prep Batch: 74698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Total/NA	Solid	8015NM Prep	
890-6284-22	SW - 5	Total/NA	Solid	8015NM Prep	
890-6284-23	SW - 6	Total/NA	Solid	8015NM Prep	
890-6284-24	SW - 7	Total/NA	Solid	8015NM Prep	
890-6284-25	SW - 8	Total/NA	Solid	8015NM Prep	
MB 880-74698/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74698/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74698/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6284-22 MS	SW - 5	Total/NA	Solid	8015NM Prep	
890-6284-22 MSD	SW - 5	Total/NA	Solid	8015NM Prep	

Prep Batch: 74838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-26	SW - 9	Total/NA	Solid	8015NM Prep	
MB 880-74838/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74838/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74838/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6296-A-9-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6296-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-26	SW - 9	Total/NA	Solid	8015B NM	74838
MB 880-74838/1-A	Method Blank	Total/NA	Solid	8015B NM	74838
LCS 880-74838/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74838
LCSD 880-74838/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74838
890-6296-A-9-D MS	Matrix Spike	Total/NA	Solid	8015B NM	74838
890-6296-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	74838

HPLC/IC

Leach Batch: 74411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Soluble	Solid	DI Leach	
890-6284-2	BH - 2 (1.0)	Soluble	Solid	DI Leach	
890-6284-3	BH - 3 (1.0)	Soluble	Solid	DI Leach	
890-6284-4	BH - 4 (1.0)	Soluble	Solid	DI Leach	
890-6284-5	BH - 5 (1.0)	Soluble	Solid	DI Leach	
890-6284-6	BH - 6 (1.0)	Soluble	Solid	DI Leach	
890-6284-7	BH - 7 (1.0)	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 74411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-8	BH - 8 (1.0)	Soluble	Solid	DI Leach	
890-6284-9	BH - 9 (1.0)	Soluble	Solid	DI Leach	
890-6284-10	BH - 10 (1.0)	Soluble	Solid	DI Leach	
890-6284-11	BH - 11 (1.0)	Soluble	Solid	DI Leach	
890-6284-12	BH - 12 (1.0)	Soluble	Solid	DI Leach	
890-6284-13	BH - 13 (1.0)	Soluble	Solid	DI Leach	
890-6284-14	BH - 14 (1.0)	Soluble	Solid	DI Leach	
890-6284-15	BH - 15 (1.0)	Soluble	Solid	DI Leach	
890-6284-16	BH - 16 (1.0)	Soluble	Solid	DI Leach	
890-6284-17	BH - 17 (1.0)	Soluble	Solid	DI Leach	
890-6284-18	SW - 1	Soluble	Solid	DI Leach	
890-6284-19	SW - 2	Soluble	Solid	DI Leach	
890-6284-20	SW - 3	Soluble	Solid	DI Leach	
MB 880-74411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6284-1 MS	BH - 1 (1.0)	Soluble	Solid	DI Leach	
890-6284-1 MSD	BH - 1 (1.0)	Soluble	Solid	DI Leach	
890-6284-11 MS	BH - 11 (1.0)	Soluble	Solid	DI Leach	
890-6284-11 MSD	BH - 11 (1.0)	Soluble	Solid	DI Leach	

Leach Batch: 74414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Soluble	Solid	DI Leach	
890-6284-22	SW - 5	Soluble	Solid	DI Leach	
890-6284-23	SW - 6	Soluble	Solid	DI Leach	
890-6284-24	SW - 7	Soluble	Solid	DI Leach	
890-6284-25	SW - 8	Soluble	Solid	DI Leach	
890-6284-26	SW - 9	Soluble	Solid	DI Leach	
MB 880-74414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6284-21 MS	SW - 4	Soluble	Solid	DI Leach	
890-6284-21 MSD	SW - 4	Soluble	Solid	DI Leach	

Analysis Batch: 74744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-1	BH - 1 (1.0)	Soluble	Solid	300.0	74411
890-6284-2	BH - 2 (1.0)	Soluble	Solid	300.0	74411
890-6284-3	BH - 3 (1.0)	Soluble	Solid	300.0	74411
890-6284-4	BH - 4 (1.0)	Soluble	Solid	300.0	74411
890-6284-5	BH - 5 (1.0)	Soluble	Solid	300.0	74411
890-6284-6	BH - 6 (1.0)	Soluble	Solid	300.0	74411
890-6284-7	BH - 7 (1.0)	Soluble	Solid	300.0	74411
890-6284-8	BH - 8 (1.0)	Soluble	Solid	300.0	74411
890-6284-9	BH - 9 (1.0)	Soluble	Solid	300.0	74411
890-6284-10	BH - 10 (1.0)	Soluble	Solid	300.0	74411
890-6284-11	BH - 11 (1.0)	Soluble	Solid	300.0	74411
890-6284-12	BH - 12 (1.0)	Soluble	Solid	300.0	74411
890-6284-13	BH - 13 (1.0)	Soluble	Solid	300.0	74411
890-6284-14	BH - 14 (1.0)	Soluble	Solid	300.0	74411

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 74744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-15	BH - 15 (1.0)	Soluble	Solid	300.0	74411
890-6284-16	BH - 16 (1.0)	Soluble	Solid	300.0	74411
890-6284-17	BH - 17 (1.0)	Soluble	Solid	300.0	74411
890-6284-18	SW - 1	Soluble	Solid	300.0	74411
890-6284-19	SW - 2	Soluble	Solid	300.0	74411
890-6284-20	SW - 3	Soluble	Solid	300.0	74411
MB 880-74411/1-A	Method Blank	Soluble	Solid	300.0	74411
LCS 880-74411/2-A	Lab Control Sample	Soluble	Solid	300.0	74411
LCSD 880-74411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74411
890-6284-1 MS	BH - 1 (1.0)	Soluble	Solid	300.0	74411
890-6284-1 MSD	BH - 1 (1.0)	Soluble	Solid	300.0	74411
890-6284-11 MS	BH - 11 (1.0)	Soluble	Solid	300.0	74411
890-6284-11 MSD	BH - 11 (1.0)	Soluble	Solid	300.0	74411

Analysis Batch: 74747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6284-21	SW - 4	Soluble	Solid	300.0	74414
890-6284-22	SW - 5	Soluble	Solid	300.0	74414
890-6284-23	SW - 6	Soluble	Solid	300.0	74414
890-6284-24	SW - 7	Soluble	Solid	300.0	74414
890-6284-25	SW - 8	Soluble	Solid	300.0	74414
890-6284-26	SW - 9	Soluble	Solid	300.0	74414
MB 880-74414/1-A	Method Blank	Soluble	Solid	300.0	74414
LCS 880-74414/2-A	Lab Control Sample	Soluble	Solid	300.0	74414
LCSD 880-74414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74414
890-6284-21 MS	SW - 4	Soluble	Solid	300.0	74414
890-6284-21 MSD	SW - 4	Soluble	Solid	300.0	74414

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 1 (1.0)

Lab Sample ID: 890-6284-1

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/04/24 22:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 22:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 10:25	CH	EET MID

Client Sample ID: BH - 2 (1.0)

Lab Sample ID: 890-6284-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/04/24 23:02	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 22:52	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 10:38	CH	EET MID

Client Sample ID: BH - 3 (1.0)

Lab Sample ID: 890-6284-3

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/04/24 23:23	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 21:29	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 10:42	CH	EET MID

Client Sample ID: BH - 4 (1.0)

Lab Sample ID: 890-6284-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/04/24 23:43	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 23:13	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 10:47	CH	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 5 (1.0)

Lab Sample ID: 890-6284-5

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 00:04	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 23:34	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 10:51	CH	EET MID

Client Sample ID: BH - 6 (1.0)

Lab Sample ID: 890-6284-6

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 00:24	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/04/24 23:55	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:04	CH	EET MID

Client Sample ID: BH - 7 (1.0)

Lab Sample ID: 890-6284-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 00:45	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 00:16	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:09	CH	EET MID

Client Sample ID: BH - 8 (1.0)

Lab Sample ID: 890-6284-8

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 01:06	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 00:37	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:13	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 9 (1.0)

Lab Sample ID: 890-6284-9

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 01:26	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 00:58	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:18	CH	EET MID

Client Sample ID: BH - 10 (1.0)

Lab Sample ID: 890-6284-10

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 01:47	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 01:19	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:22	CH	EET MID

Client Sample ID: BH - 11 (1.0)

Lab Sample ID: 890-6284-11

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 03:09	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 02:01	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	74744	03/05/24 11:27	CH	EET MID

Client Sample ID: BH - 12 (1.0)

Lab Sample ID: 890-6284-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 03:29	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:40	CH	EET MID

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Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 13 (1.0)

Lab Sample ID: 890-6284-13

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 03:50	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:44	CH	EET MID

Client Sample ID: BH - 14 (1.0)

Lab Sample ID: 890-6284-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 04:10	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 03:05	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 11:58	CH	EET MID

Client Sample ID: BH - 15 (1.0)

Lab Sample ID: 890-6284-15

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 04:31	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 03:26	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:02	CH	EET MID

Client Sample ID: BH - 16 (1.0)

Lab Sample ID: 890-6284-16

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 04:51	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 03:47	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:06	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: BH - 17 (1.0)

Lab Sample ID: 890-6284-17

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 05:12	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 04:08	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:11	CH	EET MID

Client Sample ID: SW - 1

Lab Sample ID: 890-6284-18

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 05:32	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 04:29	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:15	CH	EET MID

Client Sample ID: SW - 2

Lab Sample ID: 890-6284-19

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 05:53	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 04:50	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:20	CH	EET MID

Client Sample ID: SW - 3

Lab Sample ID: 890-6284-20

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74637	03/04/24 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74557	03/05/24 06:14	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74697	03/04/24 15:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74568	03/05/24 05:12	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74411	03/01/24 11:31	SMC	EET MID
Soluble	Analysis	300.0		1			74744	03/05/24 12:24	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 4

Lab Sample ID: 890-6284-21

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 08:08	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74698	03/04/24 16:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74566	03/04/24 22:31	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 14:25	CH	EET MID

Client Sample ID: SW - 5

Lab Sample ID: 890-6284-22

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 09:00	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74698	03/04/24 16:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74566	03/04/24 21:29	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 14:38	CH	EET MID

Client Sample ID: SW - 6

Lab Sample ID: 890-6284-23

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 09:26	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74698	03/04/24 16:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74566	03/04/24 22:52	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 14:42	CH	EET MID

Client Sample ID: SW - 7

Lab Sample ID: 890-6284-24

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 02/29/24 08:00

Prep 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	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 09:52	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74698	03/04/24 16:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74566	03/04/24 23:13	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 14:47	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Client Sample ID: SW - 8
Date Collected: 02/28/24 00:00
Date Received: 02/29/24 08:00

Lab Sample ID: 890-6284-25
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			4.96 g	5 mL	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 10:19	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	74698	03/04/24 16:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74566	03/04/24 23:34	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 14:51	CH	EET MID

Client Sample ID: SW - 9
Date Collected: 02/28/24 00:00
Date Received: 02/29/24 08:00

Lab Sample ID: 890-6284-26
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	74618	03/04/24 11:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74553	03/05/24 11:38	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74838	03/05/24 17:05	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74861	03/06/24 12:13	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74414	03/01/24 11:37	SMC	EET MID
Soluble	Analysis	300.0		1			74747	03/05/24 15:05	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: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EAST EUMONT

Job ID: 890-6284-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6284-1	BH - 1 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-2	BH - 2 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-3	BH - 3 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-4	BH - 4 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-5	BH - 5 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-6	BH - 6 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-7	BH - 7 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-8	BH - 8 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-9	BH - 9 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-10	BH - 10 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-11	BH - 11 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-12	BH - 12 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-13	BH - 13 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-14	BH - 14 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-15	BH - 15 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-16	BH - 16 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-17	BH - 17 (1.0)	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-18	SW - 1	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-19	SW - 2	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-20	SW - 3	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-21	SW - 4	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-22	SW - 5	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-23	SW - 6	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-24	SW - 7	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-25	SW - 8	Solid	02/28/24 00:00	02/29/24 08:00
890-6284-26	SW - 9	Solid	02/28/24 00:00	02/29/24 08:00

- 1
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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) 682-3846



890-6284 Chain of Custody

Client Name:

JR Oil

Site Manager:

Brittany Long

Project Name:

East Eumont

432-741-5813

Project Location:

Lea County, NM

Project #:

212C-MD-03133

Invoice to:

ATTN: JR Oil Rex Tippy

Receiving Laboratory:

Eurofins Lab

Sampler Signature:

Jorge Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

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

BH-1 (1.0')	2/28/2024		X				X			
BH-2 (1.0')	2/28/2024		X				X			
BH-3 (1.0')	2/28/2024		X				X			
BH-4 (1.0')	2/28/2024		X				X			
BH-5 (1.0')	2/28/2024		X				X			
BH-6 (1.0')	2/28/2024		X				X			
BH-7 (1.0')	2/28/2024		X				X			
BH-8 (1.0')	2/28/2024		X				X			
BH-9 (1.0')	2/28/2024		X				X			
BH-10 (1.0')	2/28/2024		X				X			

Relinquished by: *[Signature]* Date: 2-28-24 Time: 1900

Relinquished by: *[Signature]* Date: 2-28-24 Time: 1900

Relinquished by: *[Signature]* Date: 2/28/24 Time: 1900

Received by: *[Signature]* Date: 2/28/24 Time: 1900

Received by: *[Signature]* Date: 2/29 Time: 8:00

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	

Hold

REMARKS: Standard TAT

LAB USE ONLY

Sample Temperature

-5.2

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request 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:

East Eumont

432-741-5813

Brittany.long@tetratech.com

Project Location:
(county, state)

Lea County, NM

Project #:

212C-MD-03133

Invoice to:

ATTN: JR Oil Rex Tippy

Receiving Laboratory:

Eurofins Lab

Sampler Signature:

Jorge Fernandez

Comments:

LAB #
(LAB USE ONLY)

SAMPLE IDENTIFICATION

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			BTEX 8021B	TPH TX1005 (Ext to	TPH 8015M (GRO -	PAH 8270C	Total Metals Ag As B	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B /	GC/MS Semi. Vol. 8	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate	General Water Che	Anion/Cation Balan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	BH-11 (1.0')	2/28/2024		X			X			X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Relinquished by:

Date: Time:

Relinquished by: *Jorge Fernandez* Date: 2-28-24 Time: 1900

Relinquished by:

Date: Time:

Relinquished by: *Jorge Fernandez* Date: 2/29/24 Time: 1900

Relinquished by:

Date: Time:

Relinquished by: *Jorge Fernandez* Date: 2/29/24 Time: 1900

Relinquished by:

Date: Time:

Relinquished by: *Jorge Fernandez* Date: 2/29/24 Time: 1900

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	
Hold	

REMARKS: Standard IAT

LAB USE ONLY

Sample Temperature

5.2

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

JR Oil

Site Manager:

Brittany Long

Project Name:

East Eumont

432-741-5813

Brittany.long@tetratech.com

Project Location:

Lea County, NM

Project #:

212C-MD-03133

Invoice to:

ATTN: JR Oil Rex Tippy

Receiving Laboratory:

Eurofins Lab

Sampler Signature:

Jorge Fernandez

Comments:

SAMPLE IDENTIFICATION

LAB #
(LAB USE ONLY)

LAB # (LAB USE ONLY)	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	# CONTAINERS	FILTERED (Y/N)
SW-4	2/28/2024		X			X			
SW-5	2/28/2024		X			X			
SW-6	2/28/2024		X			X			
SW-7	2/28/2024		X			X			
SW-8	2/28/2024		X			X			
SW-9	2/28/2024		X			X			

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	

Hold

Relinquished by:

Date:

Time:

1900

Relinquished by:

Date:

Time:

2-28-24

Relinquished by:

Date:

Time:

2/29/24

Received by:

Date:

Time:

2/28/24

Received by:

Date:

Time:

8:00 2/29

LAB USE ONLY

REMARKS: Standard TAT

Sample Temperature

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-6284-1
SDG Number: Lea County NM

Login Number: 6284
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-6284-1
SDG Number: Lea County NM

Login Number: 6284
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/01/24 12:23 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/18/2024 12:38:52 PM

JOB DESCRIPTION

East Eumont Battery Pasture Remediation
Lea County NM

JOB NUMBER

880-42229-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/18/2024 12:38:52 PM

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

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Laboratory Job ID: 880-42229-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
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
F1	MS and/or MSD recovery exceeds control limits.
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
SQL	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: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1

Job ID: 880-42229-1

Eurofins Midland

Job Narrative 880-42229-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 4/12/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 1 (1.25') (880-42229-1), BH - 2 (1.25') (880-42229-2), BH - 3 (1.25') (880-42229-3), BH - 5 (1.25') (880-42229-4), BH - 12 (1.25') (880-42229-5), BH - 17 (1.25') (880-42229-6), SW - 2 (880-42229-7) and SW - 3 (880-42229-8).

GC VOA

Method 8021B: The method blank for preparation batch 880-78158 and analytical batch 880-78160 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78111 and analytical batch 880-78150 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78368 and 880-78368 and analytical batch 880-78400 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

BH - 1 (1.25') (880-42229-1), BH - 2 (1.25') (880-42229-2), BH - 3 (1.25') (880-42229-3), BH - 5 (1.25') (880-42229-4), BH - 12 (1.25') (880-42229-5) and BH - 17 (1.25') (880-42229-6)

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 1 (1.25')

Lab Sample ID: 880-42229-1

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/24 08:00	04/15/24 13:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/24 08:00	04/15/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	04/15/24 08:00	04/15/24 13:36	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/15/24 08:00	04/15/24 13:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/15/24 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/15/24 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	04/13/24 11:10	04/15/24 18:02	1
o-Terphenyl	93		70 - 130	04/13/24 11:10	04/15/24 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.81		4.97		mg/Kg			04/16/24 18:29	1

Client Sample ID: BH - 2 (1.25')

Lab Sample ID: 880-42229-2

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/15/24 08:00	04/15/24 13:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/15/24 08:00	04/15/24 13:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/15/24 08:00	04/15/24 13:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/15/24 08:00	04/15/24 13:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/15/24 08:00	04/15/24 13:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/15/24 08:00	04/15/24 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	04/15/24 08:00	04/15/24 13:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/15/24 08:00	04/15/24 13:56	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 2 (1.25')

Lab Sample ID: 880-42229-2

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/15/24 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/15/24 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/13/24 11:10	04/15/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				04/13/24 11:10	04/15/24 18:22	1
o-Terphenyl	78		70 - 130				04/13/24 11:10	04/15/24 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		4.97		mg/Kg			04/16/24 18:43	1

Client Sample ID: BH - 3 (1.25')

Lab Sample ID: 880-42229-3

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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		04/15/24 08:00	04/15/24 14:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/24 08:00	04/15/24 14:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/24 08:00	04/15/24 14:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/15/24 08:00	04/15/24 14:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/24 08:00	04/15/24 14:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/15/24 08:00	04/15/24 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/15/24 08:00	04/15/24 14:17	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/15/24 08:00	04/15/24 14:17	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			04/15/24 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/15/24 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 18:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 18:42	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 3 (1.25')

Lab Sample ID: 880-42229-3

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/13/24 11:10	04/15/24 18:42	1
o-Terphenyl	82		70 - 130				04/13/24 11:10	04/15/24 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.35		4.99		mg/Kg			04/16/24 18:48	1

Client Sample ID: BH - 5 (1.25')

Lab Sample ID: 880-42229-4

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/15/24 08:00	04/15/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				04/15/24 08:00	04/15/24 14:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/15/24 08:00	04/15/24 14:37	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			04/15/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/15/24 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				04/13/24 11:10	04/15/24 19:02	1
o-Terphenyl	78		70 - 130				04/13/24 11:10	04/15/24 19:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		5.04		mg/Kg			04/16/24 18:53	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 12 (1.25')

Lab Sample ID: 880-42229-5

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/24 08:00	04/15/24 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				04/15/24 08:00	04/15/24 18:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/15/24 08:00	04/15/24 18:02	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			04/15/24 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/15/24 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/13/24 11:10	04/15/24 19:42	1
o-Terphenyl	86		70 - 130				04/13/24 11:10	04/15/24 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		4.97		mg/Kg			04/16/24 18:58	1

Client Sample ID: BH - 17 (1.25')

Lab Sample ID: 880-42229-6

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/24 08:00	04/15/24 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				04/15/24 08:00	04/15/24 18:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/15/24 08:00	04/15/24 18:23	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 17 (1.25')

Lab Sample ID: 880-42229-6

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/15/24 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/15/24 20:03	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		04/13/24 11:10	04/15/24 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				04/13/24 11:10	04/15/24 20:03	1
o-Terphenyl	80		70 - 130				04/13/24 11:10	04/15/24 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.6		4.96		mg/Kg			04/16/24 19:03	1

Client Sample ID: SW - 2

Lab Sample ID: 880-42229-7

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/24 08:00	04/15/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				04/15/24 08:00	04/15/24 18:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/15/24 08:00	04/15/24 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/15/24 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/15/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 20:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 20:23	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: SW - 2

Lab Sample ID: 880-42229-7

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/13/24 11:10	04/15/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				04/13/24 11:10	04/15/24 20:23	1
o-Terphenyl	86		70 - 130				04/13/24 11:10	04/15/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.30		4.95		mg/Kg			04/16/24 19:07	1

Client Sample ID: SW - 3

Lab Sample ID: 880-42229-8

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/24 08:00	04/15/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/15/24 08:00	04/15/24 19:04	1
1,4-Difluorobenzene (Surr)	111		70 - 130				04/15/24 08:00	04/15/24 19:04	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			04/15/24 19:04	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			04/15/24 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/13/24 11:10	04/15/24 20:43	1
o-Terphenyl	81		70 - 130				04/13/24 11:10	04/15/24 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.01		mg/Kg			04/16/24 19:22	1

Eurofins Midland

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-42229-1	BH - 1 (1.25')	86	99				
880-42229-1 MS	BH - 1 (1.25')	103	110				
880-42229-1 MSD	BH - 1 (1.25')	105	112				
880-42229-2	BH - 2 (1.25')	77	90				
880-42229-3	BH - 3 (1.25')	94	89				
880-42229-4	BH - 5 (1.25')	93	86				
880-42229-5	BH - 12 (1.25')	74	96				
880-42229-6	BH - 17 (1.25')	85	80				
880-42229-7	SW - 2	89	83				
880-42229-8	SW - 3	103	111				
LCS 880-78158/1-A	Lab Control Sample	105	111				
LCSD 880-78158/2-A	Lab Control Sample Dup	112	96				
MB 880-78158/5-A	Method Blank	75	101				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-41930-A-8-C MS	Matrix Spike	71	71				
880-41930-A-8-D MSD	Matrix Spike Duplicate	75	75				
880-42229-1	BH - 1 (1.25')	83	93				
880-42229-2	BH - 2 (1.25')	72	78				
880-42229-3	BH - 3 (1.25')	75	82				
880-42229-4	BH - 5 (1.25')	71	78				
880-42229-5	BH - 12 (1.25')	76	86				
880-42229-6	BH - 17 (1.25')	73	80				
880-42229-7	SW - 2	78	86				
880-42229-8	SW - 3	74	81				
LCS 880-78111/2-A	Lab Control Sample	89	104				
LCSD 880-78111/3-A	Lab Control Sample Dup	90	106				
MB 880-78111/1-A	Method Blank	84	93				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78158/5-A

Matrix: Solid

Analysis Batch: 78160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/24 08:00	04/15/24 13:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/24 08:00	04/15/24 13:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/24 08:00	04/15/24 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	04/15/24 08:00	04/15/24 13:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/15/24 08:00	04/15/24 13:14	1

Lab Sample ID: LCS 880-78158/1-A

Matrix: Solid

Analysis Batch: 78160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09314		mg/Kg		93	70 - 130
Toluene	0.100	0.09898		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09954		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09959		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-78158/2-A

Matrix: Solid

Analysis Batch: 78160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78158

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09268		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.1056		mg/Kg		106	70 - 130	6	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2248		mg/Kg		112	70 - 130	11	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-42229-1 MS

Matrix: Solid

Analysis Batch: 78160

Client Sample ID: BH - 1 (1.25')

Prep Type: Total/NA

Prep Batch: 78158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09218		mg/Kg		91	70 - 130
Toluene	<0.00200	U	0.100	0.08982		mg/Kg		90	70 - 130

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QC Sample Results

Client: Tetra Tech Inc

Job ID: 880-42229-1

Project/Site: East Eumont Battery Pasture Remediation

SDG: Lea County NM

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

Lab Sample ID: 880-42229-1 MS

Client Sample ID: BH - 1 (1.25')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78160

Prep Batch: 78158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09461		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1918		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09399		mg/Kg		94	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: 880-42229-1 MSD

Client Sample ID: BH - 1 (1.25')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78160

Prep Batch: 78158

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09690		mg/Kg		96	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.09672		mg/Kg		97	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.09166		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2082		mg/Kg		104	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	8	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

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

Lab Sample ID: MB 880-78111/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78150

Prep Batch: 78111

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		04/13/24 11:10	04/15/24 09:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 09:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/13/24 11:10	04/15/24 09:25	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				04/13/24 11:10	04/15/24 09:25	1
o-Terphenyl	93		70 - 130				04/13/24 11:10	04/15/24 09:25	1

Lab Sample ID: LCS 880-78111/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78150

Prep Batch: 78111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.9		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	969.1		mg/Kg		97	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-78111/2-A

Matrix: Solid

Analysis Batch: 78150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78111

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-78111/3-A

Matrix: Solid

Analysis Batch: 78150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78111

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	940.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	972.1		mg/Kg		97	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-41930-A-8-C MS

Matrix: Solid

Analysis Batch: 78150

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 78111

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	999	638.6	F1	mg/Kg		60	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	608.5	F1	mg/Kg		58	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 880-41930-A-8-D MSD

Matrix: Solid

Analysis Batch: 78150

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 78111

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	999	680.5	F1	mg/Kg		64	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	642.8	F1	mg/Kg		61	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	75		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78368/1-A

Matrix: Solid

Analysis Batch: 78400

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			04/16/24 17:45	1

Lab Sample ID: LCS 880-78368/2-A

Matrix: Solid

Analysis Batch: 78400

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-78368/3-A

Matrix: Solid

Analysis Batch: 78400

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	254.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-42229-7 MS

Matrix: Solid

Analysis Batch: 78400

Client Sample ID: SW - 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.30		248	264.1		mg/Kg		104	90 - 110

Lab Sample ID: 880-42229-7 MSD

Matrix: Solid

Analysis Batch: 78400

Client Sample ID: SW - 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.30		248	264.1		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

GC VOA

Prep Batch: 78158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	5035	
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	5035	
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	5035	
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	5035	
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	5035	
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	5035	
880-42229-7	SW - 2	Total/NA	Solid	5035	
880-42229-8	SW - 3	Total/NA	Solid	5035	
MB 880-78158/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78158/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78158/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42229-1 MS	BH - 1 (1.25')	Total/NA	Solid	5035	
880-42229-1 MSD	BH - 1 (1.25')	Total/NA	Solid	5035	

Analysis Batch: 78160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	8021B	78158
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	8021B	78158
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	8021B	78158
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	8021B	78158
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	8021B	78158
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	8021B	78158
880-42229-7	SW - 2	Total/NA	Solid	8021B	78158
880-42229-8	SW - 3	Total/NA	Solid	8021B	78158
MB 880-78158/5-A	Method Blank	Total/NA	Solid	8021B	78158
LCS 880-78158/1-A	Lab Control Sample	Total/NA	Solid	8021B	78158
LCSD 880-78158/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78158
880-42229-1 MS	BH - 1 (1.25')	Total/NA	Solid	8021B	78158
880-42229-1 MSD	BH - 1 (1.25')	Total/NA	Solid	8021B	78158

Analysis Batch: 78389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	Total BTEX	
880-42229-7	SW - 2	Total/NA	Solid	Total BTEX	
880-42229-8	SW - 3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 78111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	8015NM Prep	
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	8015NM Prep	
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	8015NM Prep	
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	8015NM Prep	
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	8015NM Prep	
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 78111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-7	SW - 2	Total/NA	Solid	8015NM Prep	
880-42229-8	SW - 3	Total/NA	Solid	8015NM Prep	
MB 880-78111/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78111/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78111/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-41930-A-8-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-41930-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	8015B NM	78111
880-42229-7	SW - 2	Total/NA	Solid	8015B NM	78111
880-42229-8	SW - 3	Total/NA	Solid	8015B NM	78111
MB 880-78111/1-A	Method Blank	Total/NA	Solid	8015B NM	78111
LCS 880-78111/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78111
LCSD 880-78111/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78111
880-41930-A-8-C MS	Matrix Spike	Total/NA	Solid	8015B NM	78111
880-41930-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	78111

Analysis Batch: 78370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Total/NA	Solid	8015 NM	
880-42229-2	BH - 2 (1.25')	Total/NA	Solid	8015 NM	
880-42229-3	BH - 3 (1.25')	Total/NA	Solid	8015 NM	
880-42229-4	BH - 5 (1.25')	Total/NA	Solid	8015 NM	
880-42229-5	BH - 12 (1.25')	Total/NA	Solid	8015 NM	
880-42229-6	BH - 17 (1.25')	Total/NA	Solid	8015 NM	
880-42229-7	SW - 2	Total/NA	Solid	8015 NM	
880-42229-8	SW - 3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 78368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Soluble	Solid	DI Leach	
880-42229-2	BH - 2 (1.25')	Soluble	Solid	DI Leach	
880-42229-3	BH - 3 (1.25')	Soluble	Solid	DI Leach	
880-42229-4	BH - 5 (1.25')	Soluble	Solid	DI Leach	
880-42229-5	BH - 12 (1.25')	Soluble	Solid	DI Leach	
880-42229-6	BH - 17 (1.25')	Soluble	Solid	DI Leach	
880-42229-7	SW - 2	Soluble	Solid	DI Leach	
880-42229-8	SW - 3	Soluble	Solid	DI Leach	
MB 880-78368/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78368/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78368/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42229-7 MS	SW - 2	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 78368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-7 MSD	SW - 2	Soluble	Solid	DI Leach	

Analysis Batch: 78400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42229-1	BH - 1 (1.25')	Soluble	Solid	300.0	78368
880-42229-2	BH - 2 (1.25')	Soluble	Solid	300.0	78368
880-42229-3	BH - 3 (1.25')	Soluble	Solid	300.0	78368
880-42229-4	BH - 5 (1.25')	Soluble	Solid	300.0	78368
880-42229-5	BH - 12 (1.25')	Soluble	Solid	300.0	78368
880-42229-6	BH - 17 (1.25')	Soluble	Solid	300.0	78368
880-42229-7	SW - 2	Soluble	Solid	300.0	78368
880-42229-8	SW - 3	Soluble	Solid	300.0	78368
MB 880-78368/1-A	Method Blank	Soluble	Solid	300.0	78368
LCS 880-78368/2-A	Lab Control Sample	Soluble	Solid	300.0	78368
LCSD 880-78368/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78368
880-42229-7 MS	SW - 2	Soluble	Solid	300.0	78368
880-42229-7 MSD	SW - 2	Soluble	Solid	300.0	78368

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 1 (1.25')

Lab Sample ID: 880-42229-1

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 13:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 18:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 18:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 18:29	SMC	EET MID

Client Sample ID: BH - 2 (1.25')

Lab Sample ID: 880-42229-2

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 18:43	SMC	EET MID

Client Sample ID: BH - 3 (1.25')

Lab Sample ID: 880-42229-3

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 18:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 18:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 18:48	SMC	EET MID

Client Sample ID: BH - 5 (1.25')

Lab Sample ID: 880-42229-4

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 14:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: BH - 5 (1.25')

Lab Sample ID: 880-42229-4

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78370	04/15/24 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 19:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 18:53	SMC	EET MID

Client Sample ID: BH - 12 (1.25')

Lab Sample ID: 880-42229-5

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 18:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 19:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 19:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 18:58	SMC	EET MID

Client Sample ID: BH - 17 (1.25')

Lab Sample ID: 880-42229-6

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 20:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:03	SMC	EET MID

Client Sample ID: SW - 2

Lab Sample ID: 880-42229-7

Date Collected: 04/12/24 00:00

Matrix: Solid

Date Received: 04/12/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 20:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Client Sample ID: SW - 2
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 15:50

Lab Sample ID: 880-42229-7
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			5.05 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:07	SMC	EET MID

Client Sample ID: SW - 3
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 15:50

Lab Sample ID: 880-42229-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78158	04/15/24 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78160	04/15/24 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78389	04/15/24 19:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			78370	04/15/24 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78111	04/13/24 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78150	04/15/24 20:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:22	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: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech Inc
Project/Site: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
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: East Eumont Battery Pasture Remediation

Job ID: 880-42229-1
SDG: Lea County NM

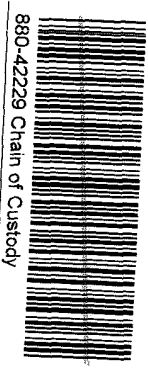
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42229-1	BH - 1 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-2	BH - 2 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-3	BH - 3 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-4	BH - 5 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-5	BH - 12 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-6	BH - 17 (1.25')	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-7	SW - 2	Solid	04/12/24 00:00	04/12/24 15:50
880-42229-8	SW - 3	Solid	04/12/24 00:00	04/12/24 15:50

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- 11
- 12
- 13
- 14

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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



880-42229 Chain of Custody

Client Name: JR Oil		Site Manager: Brittany Long					
Project Name: East Eumont Battery Pasture Remediation		Contact Info: Brittany.Long@tetratech.com					
Project Location (county, state): Lea County, NM		Project #: 212C-MD-03133					
Invoice to: JR Oil Attn: Rex Tippy		Receiving Laboratory: Eurofins					
Comments:		Sampler Signature:					
LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE				
	BH-1 (1 25')		4/12/2024		X		1
	BH-2 (1 25')		4/12/2024		X		1
	BH-3 (1 25')		4/12/2024		X		1
	BH-5 (1 25')		4/12/2024		X		1
	BH-12 (1 25')		4/12/2024		X		1
	BH-17 (1 25')		4/12/2024		X		1
	SW-2		4/12/2024		X		1
	SW-3		4/12/2024		X		1
Inquired by: [Signature]		Date:	4-12-24	Time:	15:50		
Received by: [Signature]		Date:	4/12/24	Time:	1550		
Inquired by:		Date:		Time:			
Received by:		Date:		Time:			

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

LAB USE ONLY

Sample Temperature

34.3

REMARKS

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 880-42229-1

SDG Number: Lea County NM

Login Number: 42229

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

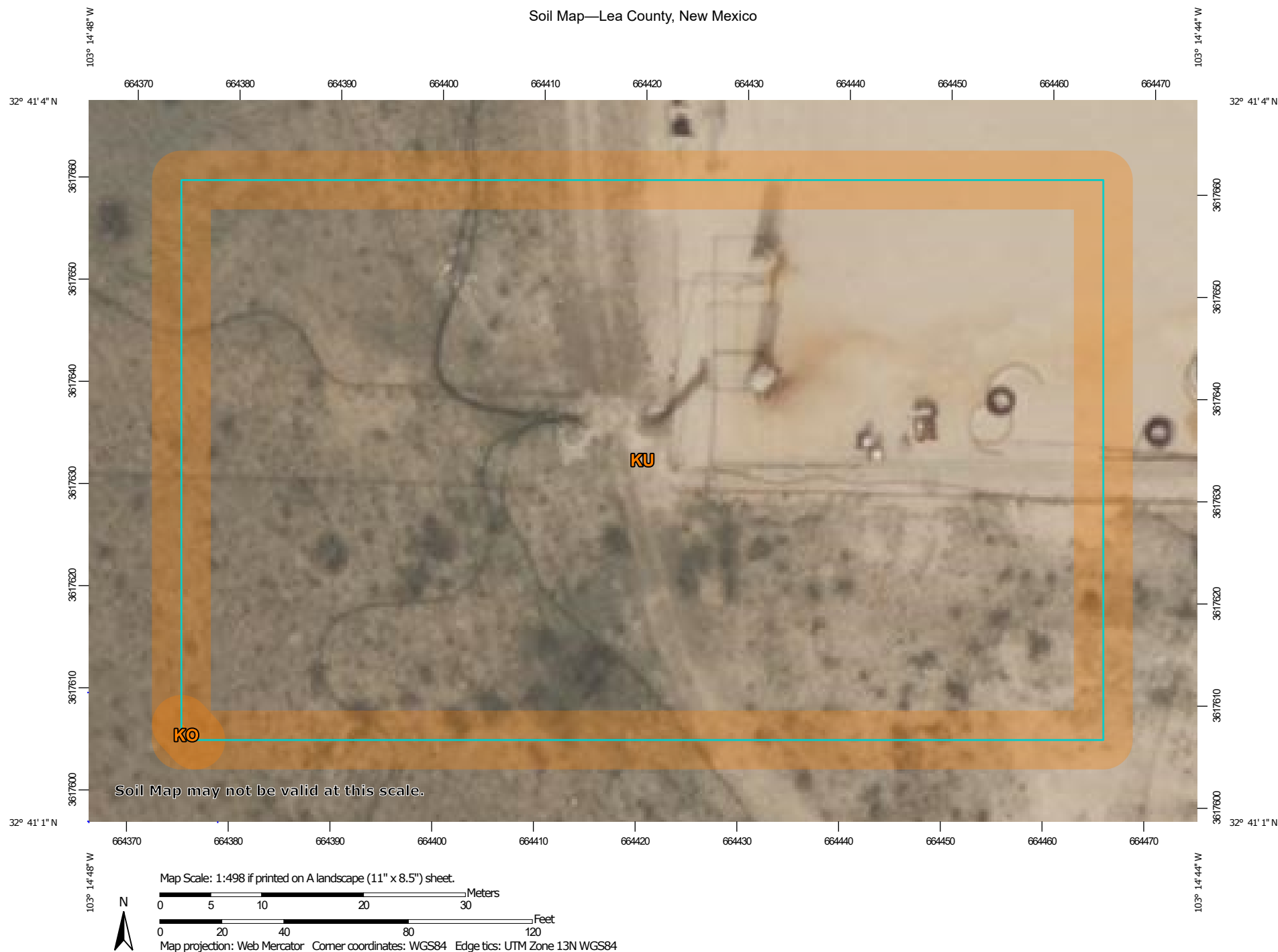
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Appendix D

Soil Survey Data

Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

7/16/2024
Page 1 of 3

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	0.0	0.0%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	1.2	100.0%
Totals for Area of Interest		1.2	100.0%

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46

Elevation: 2,500 to 4,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent

Lea and similar soils: 25 percent

Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam

Bw - 3 to 10 inches: loam

Bkkm1 - 10 to 16 inches: cemented material

Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 4 to 18 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 95 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Douro

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY047TX - Sandy Loam 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS

Action 432360

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1709737693
Incident Name	NOY1709737693 EAST EUMONT UNIT #026 @ 30-025-05545
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-05545] EAST EUMONT UNIT #026

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	EAST EUMONT UNIT #026
Date Release Discovered	03/31/2017
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 132 BBL Recovered: 15 BBL Lost: 117 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/14/2025
--	---

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QUESTIONS, Page 3

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	688
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	137
GRO+DRO (EPA SW-846 Method 8015M)	137
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/12/2024
On what date will (or did) the final sampling or liner inspection occur	02/28/2024
On what date will (or was) the remediation complete(d)	04/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	965
What is the estimated volume (in cubic yards) that will be reclaimed	165
What is the estimated surface area (in square feet) that will be remediated	3448
What is the estimated volume (in cubic yards) that will be remediated	165
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	J&L LANDFARM [FEEM0112339187]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/14/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	330782
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/12/2024
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	1800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3448
What was the total volume (cubic yards) remediated	165
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	965
What was the total volume (in cubic yards) reclaimed	165
Summarize any additional remediation activities not included by answers (above)	No additional comments
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/14/2025

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QUESTIONS, Page 7

Action 432360

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 432360

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 432360
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	2/19/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/19/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/19/2025