Page 6

Oil Conservation Division

Incident ID	nRM2012547984
District RP	
Facility ID	30-025-27089
Application ID	

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC V Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) $\mathbf{\nabla}$ Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Maren Latimer Title: Agent
 Signature:
 Maren Latimer
 Date:
 09/21/2023

 Signature:
 Date:
 09/21/2023

 Telephone:
 575-691-6790
 OCD Only Received by: Date: _____ Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Title: Printed Name:

SITE INFORMATION

Report Type: Closure Report nRM2012547984									
General Site In	formation:			-					
Site: Myers Langlie Mattix Unit #212									
Company:		JR Oil LTD.							
	ship and Range	Unit G	Sec. 07	T 24S	R 37E				
Lease Number	r:								
County:		Lea County							
GPS:			32.23386			-103.1	199680		
Surface Owner		Private: Lea	County Partners						
Mineral Owner	?					f	T		
Directions:			d follow for 0.17 mi		•		Turn left (South) onto		
				iles. Location o	ii east side of	riuau.			
Release Data:									
Date Released:	•	3/24/2020							
Type Release:			Produced Water						
Source of Conta			ass Injection Line Failure						
Fluid Released			il & 60 bbl water						
Fluide Deeever									
		0.10 bbl oil 8	& 15 bbl water						
		0.10 bbl oil 8							
Official Comm		0.10 bbl oil 8			Clair Gonz	zales			
Official Comm	unication:	0.10 bbl oil 8			Clair Gonz Tetra Tec				
Official Comm Name:	unication: Joe Tippy	0.10 bbl oil 8				h			
Official Comm Name: Company:	unication: Joe Tippy JR Oil LTD	0.10 bbl oil 8			Tetra Tec	h			
Official Comm Name: Company:	unication: Joe Tippy JR Oil LTD				Tetra Tec 901 W. W Ste 100	h			
Address: City:	unication: Joe Tippy JR Oil LTD PO Box 2975 Hobbs, New Mexi				Tetra Tec 901 W. W Ste 100 Midland, 1	h /all St. Texas, 79701			
Official Comm Name: Company: Address:	unication: Joe Tippy JR Oil LTD PO Box 2975 Hobbs, New Mexi				Tetra Tec 901 W. W Ste 100	h /all St. Texas, 79701			

Site Characterization	
Depth to Groundwater:	118.20' Below Ground Surface
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)										
Benzene	Benzene Total BTEX TPH (GRO+DRO) TPH (GRO+DRO+MRO) Chlorides									
10 mg/kg	10 mg/kg 50 mg/kg 100 mg/kg 100 mg/kg 600 mg/kg									



September 13, 2023

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

RE: Closure Report J R Oil, LTD. CO. Myers Langlie Mattix Unit #212 Lea County, New Mexico NRM2012547984

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by J R Oil, LTD. CO. (JR Oil) to direct remediation activities and conduct confirmation sampling at the Myers Langlie Mattix Unit #212 (MLMU 212), Unit G, Section 7, Township 24 South, Range 37 East, Lea County, New Mexico (Site). The spill site coordinates are 32.233860°, -103.199680°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the MLMU 212 was caused by a 3 inch fiberglass injection flowline failure, causing the release of 60 bbls of produced water and 1.5 bbls of crude oil, the release was located in a pasture, impacting an area of 343' in length, and ranging from 20' to 110' in width. Additionally, approximately 15 bbls of produced water and 0.10 bbls of crude oil was recovered. On March 24, 2020, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**. Additionally, a work plan was submitted for the remediation approach of the MLMU 212 and approved on March 23, 2023 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

Significant Water Features

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

Significant Boundaries

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



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

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the three closest water wells within a 1 mile radius of the Site. The well reported on the USGS National Water Information System reports a total depth of 152 ft bgs with water level measured at 118.20 ft bgs and is approximately 0.44 miles of the Site. The well reported on the USGS National Water Information System reports a total depth of 185 ft bgs with water level measured at 123.84 ft bgs and is approximately 0.48 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 125 ft bgs and measured water level of 90 ft bgs and is approximately 0.67 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
0.44 Miles	3/01/1996	USGS	152'	118.20'
0.48 Miles	3/05/1986	USGS	185'	123.84'
0.67 Miles	9/30/1967	NMOSE	125'	90'

Regulatory

Based on the approved work plan, approved on March 23, 2023 by the NMOCD, and the findings of a risk-based evaluation of the site following the NMOCD Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018, the following are the determined recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL beyond the top 4.0' of soil, for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the proposed RRAL beyond the top 4.0' of soil, for chlorides is 600 mg/kg. However, based on the approved work plan, the top 4.0 ft of soil was removed and a liner was installed in the bottom of the excavation. The liner placement is shown on **Figure 3** and in the Photographic Documentation.

Previous Consultant Site Assessment Activities

Initial Site Assessment Activities

As shown in the previously approved work plan, shown in **Appendix C**, BBC International (BBC) conducted initial site assessment activities from June 1, 2020 through June 5, 2020. A total of nine (9) sample points (SP-1 through SP-9) were installed to total depths ranging from 5.0 feet (ft) below ground surface (bgs) to 16.0 ft bgs, to attempt to assess and vertically delineate the impacted the area. Additionally, a total of four (4) surface samples (North, East, West, and South) were installed to surface depths, to horizontally delineate the impact. The



impact and sample locations are shown on the google earth image provided in the work plan as shown in **Appendix C.**

The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 4500. The analytical results are summarized in the analytical result summary and analytical laboratory reports are shown in the work plan in **Appendix C**.

Referring to the analytical result summary shown in the work plan in **Appendix C**, sample points (SP-1 through SP-9) indicated chloride concentrations above the reclamation standard of 600 mg/kg, with concentrations ranging from 720 mg/kg to 2,040 mg/kg. Sample point (SP-8) indicated a TPH concentration above RRALs, with a concentration of 428 mg/kg, at a surface depth. Additionally, sample points (SP-1 through SP-7, and SP-9) did not indicate benzene, BTEX, and TPH concentrations above RRALs. Surface samples (North, East, West, and South) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Additional Site Assessment Activities

As shown in the previously approved work plan, shown in **Appendix C**, BBC International (BBC) conducted additional site assessment activities from December 9, 2020 through December 10, 2020. A total of five (5) soil bores (SB-1 through SB-5) were installed to total depths ranging from 40.0 ft bgs to 59.0 ft bgs, to attempt to assess and vertically delineate the impacted the area. The impact and sample locations are shown on the google earth image provided in the work plan as shown in **Appendix C**.

The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 4500. The analytical results are summarized in the analytical result summary and analytical laboratory reports are shown in the work plan in **Appendix C**.

Referring to the analytical result summary shown in the work plan in **Appendix C**, soil bores (SB-1 through SB-4) indicated chloride concentrations above the reclamation standard of 600 mg/kg, with concentrations ranging from 624 mg/kg to 1,040 mg/kg. Additionally, soil bores (SB-1 through SB-5) did not indicate benzene, BTEX, and TPH concentrations above laboratory detection limits and soil bore (SB-5) did not indicate chloride concentrations above RRALs.

Remediation Activities

JR Oil conducted remediation activities from September 29, 2022 through December 20, 2022. The areas of impact were remediated to a depth of 4.0 ft bgs. The remediation areas and depth is shown on **Figure 3**.

Following remediation activites, Tetra Tech conducted confirmation sampling by collecting 5-point composite sidewall samples every 200 square feet within the remediation, as indicated in the work plan, approved by the NMOCD on March 23, 2023. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of full depth of sidewalls are collected. A total of twenty-three (23) sidewalls (SW-1 through SW-23) were collected to confirm full removal of impacted soil. The confirmation soil samples were



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

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

Conclusions

Based on the work plan approved by the NMOCD, the C-141 (NRM2012547984), and the information provided by JR Oil, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activites, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed for soil beyond the top 4.0 ft of soil. However, the approved work plan indicated the removal of the top 4.0 ft of soil and a liner installation was the approved remediation approach. Based on this information, the areas of sample points (SP-1 through SP-9) and soil bores (SB-1 through SB-4) were excavated to 4.0 ft bgs and a 20 mil liner was installed within the excavation, as was previously approved by the NMOCD, and is shown in **Figure 3**.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation sidewall samples to ensure the impacted soil was fully removed. Approximately 3,115 cubic yards of impacted soil was removed and properly disposed of, a 20 mil liner was installed within the excavation, and the area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs for all constituents. Based on this information, it is recommended that the remediated pad at this Site requires no further action. The final C-141 is included in **Appendix A**.

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

Respectfully submitted, TETRA TECH

Brittany Long, Project Manager

Clair Gonzales, P.G. Senior Project Manager





Figures

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Received by OCD: 9/21/2023 1:39:50 PM

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New Mexico

SITE LOCATOR MAP

100

Feet

50

Approximate Scale

Texas



Released to Imaging: 2/5/2024 11:12:05 AM

Service Layer Credits: Google Maps, 2021.

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Tables

Table 1 JR Oil LTD Myers Langlie Mattix Unit 212 Lea County, New Mexico

	Sample	Sample	Soil	Status		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xvlene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
SW-1	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	321
SW-2	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.6
SW-3	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	40.1
SW-4	12/20/2022	0-4'	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.49
SW-5	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.2
SW-6	12/20/2022	0-4'	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.33
SW-7	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.05
SW-8	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5.57
SW-9	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	79.8
SW-10	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.9
SW-11	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.7
SW-12	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.96
SW-13	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	147
SW-14	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
SW-15	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
SW-16	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.03
SW-17	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.01
SW-18	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.01
SW-19	12/20/2022	0-4'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.02
SW-20	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
SW-21	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.2

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Table 1 JR Oil LTD Myers Langlie Mattix Unit 212 Lea County, New Mexico

Comula		Soil Status			TPH (mg/kg)			Densene	Taluana	Ethlahannana	Videne		Oblasida	
Sample ID	Sample Date	Sample Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)		Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
SW-22	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.67
SW-23	12/20/2022	0-4'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.16

NOTES

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

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

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

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

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance

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Photographic Documentation

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JR Oil MLMU #212 Lea County, New Mexico



View of Remediation Activities – View Northeast



View of Remediation Activities - View West

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TETRA TECH

JR Oil MLMU #212 Lea County, New Mexico



View of Remediation Activities - View Northwest



View of Remediation Activities - View Southeast

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TETRA TECH

JR Oil MLMU #212 Lea County, New Mexico



View of Liner Installation – View West



View of Liner Installation - View South

JR Oil MLMU #212 Lea County, New Mexico



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View of Liner Installation – View Northwest



View of Liner Installation – View Northeast

П

TETRA TECH

JR Oil MLMU #212 Lea County, New Mexico



View of Liner Installation – View North



View of Liner Installation - View North

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JR Oil MLMU #212 Lea County, New Mexico



View of Liner Installation - View East



View of Liner Installation - View Southwest

JR Oil MLMU #212 Lea County, New Mexico



View of Liner Installation - View North







Appendix A

C-141 Document

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nRM2012547984
District RP	
Facility ID	30-025-27089
Application ID	

Release Notification

Corrected

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696				
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828				
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)					
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210						

Location of Release Source

Latitude

32.23386

-1	03.	199	68
-			~ ~

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MLMU 212	Site Type	BATTERY	
Date Release Discovered	3-24-2020	API# (if applicable)	30-025-27089	

Unit Letter	Section	Township	Range	County
G	7	T24S	R37E	LEA COUNTY, NM

Surface Owner: State E Federal Tribal Private (Name: _

Nature and Volume of Release

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

Volume Released (bbls) 1.5 BBLS	Volume Recovered (bbls) .10 BBLS
Volume Released (bbls) 60 BBLS	Volume Recovered (bbls) 15 BBLS
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	■ Yes □ No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) 60 BBLS Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Cause of Release

3 INCH FIBERGLASS INJECTION FLOWLINE FAILURE

•

orm C-141	State of New Mexico			
age 2	Oil Conservation Division		Incident ID	
-9	On Conservation Divisio	JII	District RP	
			Facility ID	30-025-27089
			Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the r THE RELEASE IS GREATER		der this a major release?	
If YES, was immediate	notice given to the OCD? By whom? T	o whom? When and t	by what means (phone, e	mail. etc)?
YES, BY WADE D 3:42:01 PM	TTRICH, TO JIM GRISWOLD	OF OCD, BLM,,	ON WEDNESDAY	Y 3/25/20 AT
	Initia	l Response		
The responsible	party must undertake the following actions imme	diately unless they could cre	zate a safety hazard that would	d result in injur <u>y</u>
I Released malerials h	ave been contained via the use of home-	an dilara abaa da a	1	
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM	ave been contained via the use of berms ecoverable materials have been remove of above have <u>not</u> been undertaken, expl 1AC the responsible party may commen a parrative of actions to data. If remove	d and managed approp ain why: ce remediation immed	riately.	a release. If remediation
All free liquids and a If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the info	AC the responsible party may comment a narrative of actions to date. If remediation area (see 19.15.29.11(A)(5)(a) NMAA rmation given above is true and complete to	d and managed approp ain why: ce remediation immed lial efforts have been C), please attach all inf the best of my knowled	liately after discovery of successfully completed formation needed for clo	f a release. If remediation or if the release occurred sure evaluation.
All free liquids and r If all the actions describe Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment linereby certify that the info regulations all operators are public health or the environma ailed to adequately investig addition, OCD acceptance o	Ac the responsible party may comment a narrative of actions to date. If remean that area (see 19.15.29.11(A)(5)(a) NMA	d and managed approp ain why: ce remediation immed dial efforts have been C), please attach all inf the best of my knowled notifications and perfort he OCD does not relieve threat to groundwater st	liately after discovery of successfully completed formation needed for clo the operator of liability sh the operator of liability sh	a release. If remediation or if the release occurred sure evaluation. tuant to OCD rules and eases which may endanger ould their operations have out the anvironment. In
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									3/24/2020
Loca	Location of spill:	MLMU 212					Date of Spill:		
							Site Soil Ty	Site Soil Type: Fine Sand	
Aven	Average Daily Production:		BBL Oil		BBL Water				
	Total /	Total Area Calculations	ations						
Total Surface Area	width		length		wet soil depth	oil (%)			
Rectangle Area #1	102 ft	×	145 ft	×	, E	L .			
Rectangle Area #2	60 ft	×	80 ft	×	L.	3%			
Rectangle Area #3	0 ft	×	0 ft	×	0 in	%0			
Rectangle Area #4	0 ft	×	0 ft	×	u o	%0			
Rectangle Area #5	0 ft	×	0 ft	×	ц О	%0			
Rectangle Area #6	0 ft	×	0 ft	×	0	0%			
Rectangle Area #7	0 ft	×	0 ft	×	0 I	0%			
Rectangle Area #8	0 ft	×	0 ft	×	0 in	%0			

	Porosity	0.15	0.40	0.13	0.12	0.16	0.25	0.16	0.25	0.26	0.26	0.26	0.25	0.18	0.25	0.18	0.05	0.13	0.19	0.20		
	Soil Type	Clay	Peat	Glacial Sediments	Sandy Clay	Silt	Loess	Fine Sand	Medium Sand	Coarse Sand	Gravely Sand	Fine Gravel	Medium Gravel	Coarse Gravel	Sandstone	Siltstone	Shale	Limestone	Basalt	Volcanic Tuff	Standing Liquids	
	oll	37 cu. ft.	12 cu, ff,	cu. ft.	cu. ft.	cu, ft.	cu. ft.	cu. ft.	cuft.	49 cu. ft.			비	1.4 BBL	0.0 BBL		1.4 BBL		1			
	<u>H20</u>	,196 cu. ft.	388 cu. ft.	cu. ft.	cu. ft.	cu. ft.	cu, ft	cu. ft.	cu. ft.	l <mark>,584</mark> cu. ft.			<u>H20</u>	45.1 BBL	15.0 BBL		60.1 BBL	61.5				
lations:		-								4				4	-		9					
Saturated Soil Volume Calculations:		14790 sq. ft.	4800 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq.ft.	0 sq.ft.	0 sq. ft.	19,590 sq. ft.		Estimated Volumes Spilled		Liquid in Soil:	Liquid Recovered :		Spill Liquid	Total Spill Liquid:		Recovered Volumes	0.0 BBL	15.0 BBL
Saturate		Area #1	Area #2	Area #3	Area #4	Area #5	Area #6	Area #7	Area #8	Total Solid/Liquid Volume:		Estimate		Liq	Liquid R.			Total S		Reco	Estimated oil recovered:	Estimated water recovered:

Received by OCD: 9/21/2023 1539550PPM

0.16 gal per gal

Porosity____

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	17239
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	8/1/2022

Action 17239

Received by OCD: 9/21/2023 1:39:50 PM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

Laboratory data including chain of custody

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

Received by OCD: 9/21/	2023 1:39:50 PM State of New Mexico	Page 28 of 202
		Incident ID
Page 4	Oil Conservation Division	District RP
		Facility ID
		Application ID
regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptance and/or regulations. Printed Name: Signature:	are required to report and/or file certain release notif onment. The acceptance of a C-141 report by the O stigate and remediate contamination that pose a three e of a C-141 report does not relieve the operator of r	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws Title: Date: Telephone:
OCD Only		
Received by:		Date:

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: _____ Title: _____ Signature: Date: Telephone: email: **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	_ Date:
Printed Name:	Title:





Appendix B

Site Characterization Documents



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- How are we doing? We want to hear from you. Take our quick survey to tell us what you think.
- 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: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list = • 321319103115701

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

USGS 321319103115701 24S.37E.07.431244

Lea County, New Mexico Latitude 32°13'39", Longitude 103°11'59" NAD27 Land-surface elevation 3,304.10 feet above NGVD29 The depth of the well is 152 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date 🗘	Time \$? Water- level ≎ date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above ≎ specific vertical datum	Referenced vertical ≎ datum	? Status	? Method of measurement	? Measuring ^{\$} agency	? Source a measura
1953-03-06		D	62610		3184.19	NGVD29	1	Z		
1953-03-06		D	62611		3185.52	NAVD88	1	Z		
1953-03-06		D	72019	119.91			1	Z		
1970-12-03		D	62610		3184.61	NGVD29	1	Z		
1970-12-03		D	62611		3185.94	NAVD88	1	Z		
1970-12-03		D	72019	119.49			1	Z		
1976-01-20		D	62610		3184.87	NGVD29	1	Z		
1976-01-20		D	62611		3186.20	NAVD88	1	Z		
1976-01-20		D	72019	119.23			1	Z		
1981-03-18		D	62610		3185.01	NGVD29	1	Z		
1981-03-18		D	62611		3186.34	NAVD88	1	Z		
1981-03-18		D	72019	119.09			1	Z		
1986-03-05		D	62610		3184.10	NGVD29	1	Z		
1986-03-05		D	62611		3185.43	NAVD88	1	Z		
1986-03-05		D	72019	120.00			1	Z		

Resaived by QGD: 9/21/2023 1:39:50 PM

USGS Groundwater for USA: Water Levels -- 1 sites

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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 measure
1996-03-01	D	62610		3185.90	NGVD29	1	S		
1996-03-01	D	62611		3187.23	NAVD88	1	S		
1996-03-01	D	72019	118.20			1	S		

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

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Accessibility FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

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



Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-09-12 00:40:18 EDT 0.28 0.24 nadww01

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- How are we doing? We want to hear from you. Take our quick survey to tell us what you think.
- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list = • 321350103113301

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

USGS 321350103113301 24S.37E.08.113342

Lea County, New Mexico Latitude 32°13'50", Longitude 103°11'33" NAD27 Land-surface elevation 3,303 feet above NAVD88 The depth of the well is 185 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source a measura
1965-10-28		D	62610		3176.06	NGVD29	1	Z		
1965-10-28		D	62611		3177.38	NAVD88	1	Z		
1965-10-28		D	72019	125.62			1	Z		
1965-11-02		D	62610		3176.07	NGVD29	1	Z		
1965-11-02		D	62611		3177.39	NAVD88	1	Z		
1965-11-02		D	72019	125.61			1	Z		
1968-02-28		D	62610		3176.37	NGVD29	1	Z		
1968-02-28		D	62611		3177.69	NAVD88	1	Z		
1968-02-28		D	72019	125.31			1	Z		
1970-12-02		D	62610		3176.37	NGVD29	1	Z		
1970-12-02		D	62611		3177.69	NAVD88	1	Z		
1970-12-02		D	72019	125.31			1	Z		
1976-01-16		D	62610		3176.88	NGVD29	1	Z		
1976-01-16		D	62611		3178.20	NAVD88	1	Z		
1976-01-16		D	72019	124.80			1	Z		

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USGS Groundwater for USA: Water Levels -- 1 sites

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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 measure
1981-03-17		D	62610		3177.59	NGVD29	1	Z		
1981-03-17		D	62611		3178.91	NAVD88	1	Z		
1981-03-17		D	72019	124.09			1	Z		
1986-03-05		D	62610		3177.84	NGVD29	1	Z		
1986-03-05		D	62611		3179.16	NAVD88	1	Z		
1986-03-05		D	72019	123.84			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
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	А	Approved for publication Processing and review completed.

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 Title:
 Groundwater for USA:
 Water Levels

 URL:
 https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-09-12 00:44:09 EDT 0.28 0.24 nadww01 USA.gov

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New Mexico Office of the State Engineer **Point of Diversion Summary**

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Well Tag	POD	Number	••				largest) Tws		(NAD83 (X	JTM in meters) Y	
wen lag)0443	3	4	1	08	24S	37E	۸ 670718	_)
Driller Lice	ense:	208	Driller	Con	ıpan	ıy:	VA	N NOY,	W.L.		
Driller Nar	ne:	VAN NOY, W.L.									
Drill Start	Date:	09/13/1967	Drill F	inish	Dat	e:	0	9/30/196	67 P	lug Date:	
Log File Date: 05/10/1978			PCW I	Rcv I	Dates	:		S	ource:	Shallow	
Pump Type	e:		Pipe D	Pipe Discharge Size:						stimated Yield:	:
Casing Size	e:	6.00	Depth	Well	:		125 feet			Depth Water:	90 feet
	Wate	er Bearing Stratific:	ations:		То	p E	Botton	n Desci	ription		
					11	5	120) Sands	stone/Grave	el/Conglomerate	e
Casing Perfo			rations: Top			p F	Botton	1			
					11	0	120)			

*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.

9/11/23 10:31 PM

POINT OF DIVERSION SUMMARY


New Mexico NFHL Data





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,







Appendix C

Previous Consultants Approved Work Plan



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDIATION WORKPLAN

OXY – MLMU 212 (Leak Date: 3/24/20)

Incident Reference #: NRM2012547984

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2012547984.

The following information includes:

- 1. Appropriate completed and signed C-141 pages.
- 2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 3. GPS information for sample points and sample methodology.
- 4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results).
- 5. Watercourse/features map within 1000 feet.
- 6. BLM Cave Karst map.
- 7. FEMA National Flood map.
- 8. Laboratory analysis results summary table and original laboratory analysis reports.
- 9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the entire spill area as depicted on the following site diagram. The leak area will be excavated to a depth of 4 feet.

OXY requests a variance per 19.15.29.14 NMAC to install an impermeable liner (20 mil plastic) into the bottom of the excavation. This variance is requested due to the safety concerns of a deeper excavation and the liner will be protective of further migration of the chloride impact.

In addition, OXY requests to collect only sidewall confirmation samples every 200 square feet since there will an impermeable liner in the bottom and deeper sample data exists in this report. The estimated amount of soil to be excavated is 3,000 cubic yards. The remediation will be completed within 90 days of approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility. ENVIRONMENTAL CONSULTING AND REMEDIATION SERVICES

HOBBS, NEW MEXICO • WEBSITE: www.bbcinternational.com • HOUSTON, TEXAS

Form C-141	State of New Mexico		5.1
		Incident ID	nRM2012547984
Page 3	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	118(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔳 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔳 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔳 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔳 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🔳 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔳 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔳 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔳 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔳 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔳 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔳 No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 9/21/2023 1:39:50 PM

Form C-141 Page 4	State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	nRM2012547984
public health or the environment. The failed to adequately investigate and r	given above is true and complete to the to report and/or file certain release not the acceptance of a C-141 report by the (remediate contamination that pose a thread I report does not relieve the operator of ich	ifications and perform co OCD does not relieve the eat to groundwater, surfa responsibility for compl	rrective actions for relea operator of liability sho ce water, human health iance with any other fee	ases which may endanger ould their operations have or the environment. In leral, state, or local laws
Signature:		Title: Environn		
email: wade_dittrich@	oxy.com	Telephone: (575)	-	
OCD Only Received by:		Date:		

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ceived by OCD: 9/21/202.	3 1:39:50 PM			Page 4.
Form C-141	State of New Mexi	co		
Page 5	Oil Conservation Div	ision	Incident ID	nRM2012547984
		151011	District RP	-
			Facility ID	
			Application ID	v
	Reme	ediation Pla	n	
Remediation Plan Check	klist: Each of the following items ma	ust be included in the	plan.	
Detailed description of Scaled sitemap with 0	of proposed remediation technique GPS coordinates showing delineation	points		
Estimated volume of	material to be remediated			
Closure criteria is to	Table 1 specifications subject to 19.15	5.29.12(C)(4) NMAC		
Proposed schedule fo	r remediation (note if remediation pla	n timeline is more than	n 90 days OCD approval is	s required)
Deferral Requests Only	Each of the following items must b	e confirmed as part of	anv request for deferral	of remediation.
	be in areas immediately under or arou			-
deconstruction.		na production equipine	ent where remediation cou	iu cause a major facility
Extents of contaminat	tion must be fully delineated.			
Contamination does n	ot cause an imminent risk to human b	ealth, the environment	t, or groundwater.	
rules and regulations all o which may endanger publ liability should their opera surface water, human heal responsibility for complia Printed Name: Wade	e Dito	file certain release not ceptance of a C-141 rep tigate and remediate co OCD acceptance of a C- ocal laws and/or regula 	ifications and perform cor port by the OCD does not ontamination that pose a the -141 report does not reliev tions. Conmental Coord	rective actions for releases relieve the operator of ureat to groundwater, we the operator of
OCD Only				
	lensley	Date:03/23/	2021	
	Approved with Attached Condition	s of Approval	Denied De	eferral Approved
Signature: Child 7	leno.	Date: 03/23/2	2004	



Oxy, MLMU 212 (3-24-20)

Sample points for Soil Borings

- SB1, N 32.23409 W -103.20011
- SB2, N 32.23422 W -103.20015
- SB3, N 32.23454 W -103.20000
- SB4, N 32.23460 W -103.19967
- SB5, N 32.23468 W -103.19978

Sample points

- SP1, N 32.23406 W -103.20010
- SP2, N 32.23420 W -103.20008

SP3, N 32.23423 W -103.20025

SP4, N 32.23435 W -103.20017

SP5, N 32.23437 W -103.20003

SP6, N 32.23455 W -103.20015

SP7, N 32.23452 W -103.19994

SP8, N 32.23454 W -103.19970

SP9, N 32.23469 W -103.19964

NORTH, N 32.23478 W-103.20003

EAST, N 32.23441 W-103.19992

WEST, N 32.23447 W-103.20021

SOUTH, N 32.23400 W-103.20021



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface
USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 New Mexico
 GO

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• Full News 🔊

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 321319103115701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321319103115701 24S.37E.07.431244

Lea County, New Mexico Latitude 32°13'39", Longitude 103°11'59" NAD27 Land-surface elevation 3,304.10 feet above NGVD29 The depth of the well is 152 feet below land surface. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measureme
1953-03-06		D	119.91			2		U		
1970-12-03		D	119.49			2		U		
1976-01-20		D	119.23			2		U		
1981-03-18		D	119.09			2		U		
1986-03-05		D	120.00			2		U		
1996-03-01		D	118.20			2		S		

	Explanation							
Section	Code	Description						
Water-level date-time accuracy	D	Date is accurate to the Day						
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot						
Status		The reported water-level measurement represents a static level						
Method of measurement	S	Steel-tape measurement.						
Method of measurement	U	Unknown method.						
Measuring agency		Not determined						
Source of measurement	U	Source is unknown.						
Water-level approval status	А	Approved for publication Processing and review completed.						

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https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321319103115701&agency_c... 3/27/2020





3/30/2020 9:42:24 AM

Wells - Large Scale	🔆 CO2, Temporarily Abandoned	🖉 Injection, Active	Oil, Cancelled	Salt Water Injection, New	0 0.07 0.15 0.3 mi
? undefined	🔅 Gas, Active	Injection, Cancelled	Oil, New	Salt Water Injection, Plugged	0 0.15 0.3 0.6 km
Miscellaneous	Gas, Cancelled	🖉 Injection, New	Oil, Plugged	Salt Water Injection, Temporarily Abandoned	
🗮 CO2, Active	💠 Gas, New	💉 Injection, Plugged	Oil, Temporarily Abandoned	Water, Active	Oil Conservation Division of the New Mexico Energy, Minerals and
CO2, Cancelled	💠 Gas, Plugged	💉 Injection, Temporarily Abandoned	A Salt Water Injection, Active	Water, Cancelled	Natural Resources Department., Sources: Esri, HERE, Garmin, T Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN,
🗮 CO2, New	Gas, Temporarily Abandoned	• Oil, Active	Salt Water Injection, Cancelled	Water, New	GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, 😋
🔆 CO2, Plugged					4

New Mexico Oil Conservation Division

1:9,028

New Mexico Ol conservation Division Sectors and Case Maps. New Mexico Ol conservation Division Sectors (Sector) New Mexico Ol Conservation Division (Sector) New Mexico Ol Conservation (Sector) New Mexico Ol Conservation Division (Sector) Ne

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Oxy MLMU #212

Leak Date: 3-24-2020 Lea County, NM API: 30-025-27089 Incident ID: nRM2012547984 Legend

Leak AreaLow Potential

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Google Earth

© 2021 Google

National Flood Hazard Layer FIRMette

🔏2°14'17.11"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUR Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR



Laboratory Analytical Results Summary	
Oxy, MLMU #212 (3-24-20)	

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Imaging:	
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		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
A		•				
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/1/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		11.6	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 7'	SP1 @ 10'	SP1 @ 13'
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		848	1180	1200	1680	1220	1440	1580
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 7'	SP2 @ 10'	SP2 @ 13'	SP2 @ 16'
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/2/20	6/2/20	6/2/20	6/2/20	6/2/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	< 0.300	< 0.300	<0.300
Chloride	SM4500CI-B		864	784	1380	1630	1440	1250	1220	1220
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	21.1	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	r					
		Sample ID	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	6/2/20	6/2/20	6/2/20	6/2/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	< 0.300
Chloride	SM4500CI-B		1070	432	32.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary Oxy, MLMU #212 (3-24-20)

		Sample ID	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 7'	SP4 @ 10'	SP4 @ 13'	SP4 @ 15
Analyte	Method	Date	6/2/20	6/2/20	6/2/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	< 0.300	< 0.300	<0.300
Chloride	SM4500CI-B		800	1310	720	1490	1790	1840	1600	1600
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 7'	SP5 @ 10'	SP5 @ 13'	SP5 @ 15'
Analyte	Method	Date	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	< 0.300	< 0.300	<0.300
Chloride	SM4500CI-B		768	832	1410	2080	1620	1520	1220	1330
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	28.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 7'	SP6 @ 10'	SP6 @ 13'	SP6 @ 15'
Analyte	Method	Date	6/3/20	6/3/20	6/3/20	6/3/20	6/4/20	6/4/20	6/4/20	6/4/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	< 0.300	< 0.300	<0.300
Chloride	SM4500CI-B		960	752	1250	2030	1380	1390	720	1040
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 7'	SP7 @ 10'	SP7 @ 12'
Analyte	Method	Date	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		672	816	1040	2040	1390	1360	1360
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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Laboratory Analytical Results Summary Oxy, MLMU #212 (3-24-20)

		Sample ID	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'	SP8 @ 7'	SP8 @ 10'	SP8 @ 13'	SP8 @ 16'
Analyte	Method	Date	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	< 0.300	< 0.300	<0.300
Chloride	SM4500CI-B		800	800	1090	864	1360	1340	1150	1280
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		335	<10.0	<10.0	44.4	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		93.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Semale ID	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'	SP9 @ 5'
		Sample ID	3F9@1	3F9@2	3F9@3	3-3 @ 4	3-3@3
Analyte	Method	Date	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		736	480	256	16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

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Laboratory Analytical Results Summary Oxy, MLMU #212 (3-24-20)

		Sample ID	SB1 @ 14'	SB1 @ 19'	SB1 @ 29'	SB1 @ 39'	SB1 @ 49'	SB1 @ 54'	SB1 @ 59
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		720	768	800	1070	624	288	304
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a

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		Sample ID	SB2 @ 17'	SB2 @ 22'	SB2 @ 32'	SB2 @ 42'	SB2 @ 44'	SB2 @ 52'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1140	1120	944	880	432	288
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB3 @ 13'	SB3 @ 18'	SB3 @ 23'	SB3 @ 33'	SB3 @ 38'	SB3 @ 43'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1230	976	800	1020	544	432
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB4 @ 17'	SB4 @ 22'	SB4 @ 32'	SB4 @ 42'	SB4 @ 47'	SB4 @ 52'
Analyte	Method	Date	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1060	1060	944	816	400	320
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB5 @ 5'	SB5 @ 10'	SB5 @ 15'	SB5 @ 25'	SB5 @ 35'	SB5 @ 40'
Analyte	Method	Date	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		16.0	<16.0	64.0	64.0	64.0	64.0
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

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Received by OCD: 9/21/2023 1:39:50 PM



June 15, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #212

Enclosed are the results of analyses for samples received by the laboratory on 06/09/20 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: N @ SURFACE (H001553-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.81	90.6	2.00	7.49	
Toluene*	<0.050	0.050	06/10/2020	ND	1.72	86.0	2.00	7.38	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.71	85.4	2.00	7.68	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	4.95	82.6	6.00	7.63	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	11.6	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	119 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	05			
		Fax To:	(575) 397-0397	,		
Received:	06/09/2020			Sampling Date:	06/01/2020	
Reported:	06/15/2020			Sampling Type:	Soil	
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact	
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson	
Project Location:	OXY - EDDY CO NM					

Sample ID: E @ SURFACE (H001553-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.81	90.6	2.00	7.49	
Toluene*	<0.050	0.050	06/10/2020	ND	1.72	86.0	2.00	7.38	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.71	85.4	2.00	7.68	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	4.95	82.6	6.00	7.63	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	05			
		Fax To:	(575) 397-0397	,		
Received:	06/09/2020			Sampling Date:	06/01/2020	
Reported:	06/15/2020			Sampling Type:	Soil	
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact	
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson	
Project Location:	OXY - EDDY CO NM					

Sample ID: W @ SURFACE (H001553-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	123	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	05			
		Fax To:	(575) 397-0397	,		
Received:	06/09/2020			Sampling Date:	06/01/2020	
Reported:	06/15/2020			Sampling Type:	Soil	
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact	
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson	
Project Location:	OXY - EDDY CO NM					

Sample ID: S @ SURFACE (H001553-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128	42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 1' (H001553-05)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	121	42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 2' (H001553-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	06/11/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 3' (H001553-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	117 :	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 4' (H001553-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	115 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 7' (H001553-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 10' (H001553-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 1 @ 13' (H001553-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	99.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	110	% 42.2-15	6						

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		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 1' (H001553-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

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		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 2' (H001553-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111 9	% 42.2-15	6						

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		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/01/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 3' (H001553-14)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 4' (H001553-15)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 7' (H001553-16)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	21.1	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 10' (H001553-17)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 13' (H001553-18)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	96.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 2 @ 16' (H001553-19)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 3 @ 1' (H001553-20)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	107 :	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 3 @ 2' (H001553-21)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 3 @ 3' (H001553-22)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	42.2-15	6						

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		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 3 @ 4' (H001553-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 1' (H001553-24)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118 9	% 42.2-15	6						

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		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 2' (H001553-25)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/02/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 3' (H001553-26)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/11/2020	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 4' (H001553-27)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 7' (H001553-28)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	109 \$	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 10' (H001553-29)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 13' (H001553-30)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	115 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 4 @ 15' (H001553-31)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	110 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 1' (H001553-32)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 2' (H001553-33)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	28.2	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 3' (H001553-34)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	120 \$	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 4' (H001553-35)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	99.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 7' (H001553-36)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 10' (H001553-37)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 13' (H001553-38)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 5 @ 15' (H001553-39)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	120 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 1' (H001553-40)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 2' (H001553-41)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 9	42.2-15	6						

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		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 3' (H001553-42)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/03/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 4' (H001553-43)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	96.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397	,	
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 7' (H001553-44)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 10' (H001553-45)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 13' (H001553-46)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/11/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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		BBC Intern Cliff Brunse P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 6 @ 15' (H001553-47)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 1' (H001553-48)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 2' (H001553-49)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	120 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 3' (H001553-50)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	120	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 4' (H001553-51)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 7' (H001553-52)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	% 42.2-15	6						

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		BBC Intern Cliff Brunse P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 10' (H001553-53)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118 9	42.2-15	6						

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		BBC Intern Cliff Brunse P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/04/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 7 @ 12' (H001553-54)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 1' (H001553-55)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/11/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	335	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	93.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 2' (H001553-56)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 3' (H001553-57)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 4' (H001553-58)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	44.4	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	124	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 7' (H001553-59)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 10' (H001553-60)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 13' (H001553-61)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 8 @ 16' (H001553-62)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/11/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.29	88.1	6.00	0.140	
Total BTEX	<0.300	0.300	06/11/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 9 @ 1' (H001553-63)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEX	<0.300	0.300	06/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 9 @ 2' (H001553-64)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEX	<0.300	0.300	06/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 9 @ 3' (H001553-65)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEX	<0.300	0.300	06/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	109 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	116 9	42.2-15	6						

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		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 9 @ 4' (H001553-66)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEX	<0.300	0.300	06/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500Cl-B	/kg	Analyze	d By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	107 :	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	06/09/2020			Sampling Date:	06/05/2020
Reported:	06/15/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Kelly Jacobson
Project Location:	OXY - EDDY CO NM				

Sample ID: SP 9 @ 5' (H001553-67)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEX	<0.300	0.300	06/12/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98. <i>3</i>	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	BBC Internationa	I, Inc.									B		LTO	THE P					ANA	LYSIS	RE	QUE	ST		
	r: Cliff Brunson								P.(D. #:									1						
Address: P.O	. Box 805								Co	mpa	iny:	0	XY												
City: Hobbs		State: NM	Zip	: 8	882	41			Att	n:	WA	DE													
Phone #: 575-	397-6388	Fax #: 575-	397	7-0	397	7				dres															
Project #:		Project Owner	: 0>	ку					Cit	y:															
Project Name:	MLMU 212 (3-24-20)								Sta	nte:		2	Zip:												
Project Locatio	n: Eddy County, NM			2					Ph	one	#:														
Sampler Name:	12701 NE 0 /								Fa	x #:															
FOR LAB USE ONLY					-	IV	IATRI	x		PRE	SER	V.	SAMPL	NG											
Lab I.D.	Impler Name: Simon Rendon RLABUSE ONLY Implementation Ab I.D. Sample I.D. Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation Implementation										ICE / COOL	UINER .	DATE	ТІМЕ	сг	втех	трн ехт								
. 1	N @ Surface			١			1	SLUDGE			1		6/1/20	9:20 AM	1	1	1		1						
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4	S @ Surface			Ш								1	6/1/20	10:00 AM	1	\checkmark	\checkmark								
5	SP1 @ 1'			Ш									6/1/20	10:18 AM	\checkmark	\checkmark	1								
6	SP1 @ 2'												6/1/20	10:25 AM	1	1	\checkmark			5					
7	SP1 @ 3'		Ц	Ц									6/1/20	10:38 AM	\checkmark	\checkmark	\checkmark								
8	SP1 @ 4'												6/1/20	10:46 AM	\checkmark	1	1								
9	SP1 @ 7'		Ц	Ц								0	6/1/20	10:54 AM	\checkmark	1	\checkmark								
	SP1 @ 10'		*	*		1	1				*	_	6/1/20	11 48 AM	1	1	1								
analyses All claims includ service. In no event shall C affiliates or successors aris	NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising whether based s All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business int or successors ansing out of or related to the performance of services hereunder by Cardinal, regardless of whether										Cardina or loss of	al wit	thin 30 days after fits incurred by	er completion of th client, its subsidia	ne applica ries,	ble									
Relinquished B	y:	Date: 6-9-70 Time: 52	Re	ceiv	ved	By:		14	4	V				Phone Res Fax Result REMARKS	t:	□ Ye □ Ye		No No		Phone Fax #:	#:				

Relinquished By:	Date: 10	Receive			Phone Result:	Yes	🗆 No	Add'l Phone #:
\sim \sim \sim	6-4-10		1111		Fax Result:	Yes	🗆 No	Add'I Fax #:
O at a	Time 52		12		REMARKS:			
Relinquished By:	Date:	Receive	d By:		1			
	T:		V					
	Time:							
Delivered By: (Circle One)	10		Sample Condition	CHECKED BY:				
0,4	C		Cool Intact	(Initials)				
Sampler - UPS - Bus - Other:		#112	Yes Yes	Int				
		112	No No	11				

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

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RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

	 BBC International, Inc. 						B	LL TO					ANA	LYSI	S RE	QUE	ST						
Project Manage	er: Cliff Brunson								P.0	. #:													
Address: P.O	. Box 805								Cor	npa	ny:	OXY		1									
city: Hobbs	State: NM	Zij	o:	882	241				Attr	1 :	WAD	E		1								,	
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	39	7			- 1		ires						-							
Project #:	Project Owne	r: C	ху						City	<i>r</i> :													
	MLMU 212 (3-24-20)								Staf	te:		Zip:										/	
Project Locatio	n: Eddy County, NM							1	Pho	ne	#:			1								!	
	Simon Rendon							1	Fax	#:				1									
FOR LAB USE ONLY										PRE	SERV	SAMPL	ING										
Lab I.D.	ap I'D' Samble I'D' (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER SolL SolL								OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	cr	втех	трн ехт							
/_	SP1 @ 13'	G	1			1			_		1	6/1/20	2:14 PM	\checkmark	1	1							
12	SP2 @ 1'	1	1			1				1		6/1/20	2:53 PM	\checkmark	\checkmark	1							
13	SP2 @ 2'	4	11									6/1/20	3:14 PM	\checkmark	1	1							
14	SP2 @ 3'	11	Н			1		_	4	_		6/1/20	3:37 PM	1	\checkmark	\checkmark							
15	SP2 @ 4'	11								_		6/2/20	8:35 AM	\checkmark	\checkmark	1							
14	SP2 @ 7'	#	\square						4			6/2/20	9:17 AM	1	\checkmark	\checkmark							
17	SP2 @ 10'	#	Ц									6/2/20	10:04 AM	\checkmark	\checkmark	\checkmark							
18	SP2 @ 13'	11		ļ						_		6/2/20	11:16 AM	\checkmark	1	1							
19	SP2 @ 16'	4				1	_	-				6/2/20	11:56 AM	1	1	1							
	SP3 @ 1'	N	1	1	1	V				0	8	6/2/20	1:07 PM	1	1	1							

ed to the amount paid by the client for the

analyses All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated

Relinquished By:	Date: 9-30 Received		bornary of the above stated to	Phone Result: Fax Result:	□ Yes □ Yes	□ No □ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Time: Date: Time:	d By:		REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	0.4° #113	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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2:49 PM

3:12 PM

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8:30 AM

9:12 AM

9:57 AM

10:51 AM

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

Company Name:	BBC international,	Inc.						B	LL TO						ANA	YSIS	RE	QUE	ST		
Project Manager:	Cliff Brunson							Ρ	.0. #												
Address: P.O.	Box 805							с	omp	any:	OXY		1								
City: Hobbs		State: NM	Zip	: 8	824	1				WAD											
Phone #: 575-3	97-6388 F	ax #: 575	-397	7-03	397			- H -	ddre												
Project #:	F	Project Owner	r: 0>	ку				С	ity:												
Project Name: M	LMU 212 (3-24-20)							S	tate:		Zip:										
Project Location:	Eddy County, NM							Р	hone	#:			1								
Sampler Name:	Simon Rendon				2			Fa	ax #:							1					
FOR LAB USE ONLY			OMP.		~	MA	TRIX		PR	ESERV	SAMPL	ING									
Tap I'D Sample I'D # CONTAINER (G)RAB OR (C) # CONTAINER (G)RAB OR (C) # SOIL (G)RAB OR (C)								SLUDGE OTHFR ·	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	ъ IJ	втех	трн ехт						
			5	4#	0 3	> 0	0	0 0	,	≥ 0	DAIL	- ANTE	_	1000							1

8

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6/3/20

6/3/20

6/3/20

6/3/20

1

28 SP4 @ 7' 29 SP4 @ 10' 36 SP4 @ 13'

2

aa

24

25

26

a

SP3 @ 2'

SP3 @ 3'

SP4 @ 1

SP4 @ 2'

SP4 @ 3'

SP4 @ 4'

33 SP3 @ 4'

Page 72 of 76

Compony Nome

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Page 126

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G

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated

Relinquished By:	Date:	Received By:		Phone Result:		□ No	Add'I Phone #:	
Relinquished By:	Time:	Received By:		Fax Result: REMARKS:	□ Yes	□ No	Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	h 11º	Sample Condition Cool Intact	(Initials)	-				
	0.40 7	#//3 Pres Pres						

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

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RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

	e: BBC International, Inc.									E	3//	LL TO						AN	ALYS	SIS R	EQUE	ST		
	er: Cliff Brunson			_				P.(). #															
Address: P.C	. Box 805							Co	mpa	any:	C	XY		1								d.		
City: Hobbs	State: NM	Zij	o: 4	882	41					WA	-			1										
Phone #: 575-	-397-6388 Fax #: 57	5-39	7-0	39	7				dre													1		
Project #:	Project Own	er: O	ху					Cit	v:					1		2								
Project Name:	MLMU 212 (3-24-20)								ate:			Zip:		1										
	n: Eddy County, NM								one	#.		21p.												
Sampler Name								Fa		<i>. .</i>														
FOR LAB USE ONLY			Г		N	ATR	x	_	-	ESER	v.	SAMPL	ING											
lahID																								
H001553	b I.D. Sample I.D. Barble I.D.								ACID/BASE:	ICE / COOL	UTHER:	DATE	TIME	ы	втех	трн ехт								
	SP4 @ 15'	G	T			1				1		6/3/20	11:16 AM	1	1	1						1		
	SP5 @ 1'	1	1							1		6/3/20	11:43 AM	1	\checkmark	1							-	
	SP5 @ 2'		\square									6/3/20	11:54 AM	1	1	1								
	SP5 @ 3'											6/3/20	12:40 PM	1	\checkmark	\checkmark						-	1	
	SP5 @ 4'		Ц									6/3/20	12:53 PM	1	1	1								
	SP5 @ 7'											6/3/20	1:30 PM	\checkmark	\checkmark	1								
	SP5 @ 10'											6/3/20	1:58 PM	1	\checkmark	1					2			
38	SP5 @ 13'				_							6/3/20	2:25 PM	\checkmark	1	1								
39	SP5 @ 15'		Ш									6/3/20	2:40 PM	1	1	\checkmark								
90	SP6 @ 1'	1	4		9	V			2	*		6/3/20	3:04 PM	1	1	1								
service In no event shall (Ind Damages. Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause whatsoever shall be admiable blief or incidential consequential damages, includi- ing out of or related to the performance of services hereunder by y: Date: 9-70	e deeme ng witho Cardina	d waiv ut limiti I, regai	ed unle ation, t rdless	ess mac	e in writ	ing and	recen	/ed by	Cardin	al wit	thin 30 days afte	r completion of th	e applica ries, e	ble	s [No	Add	I Phon	e #:				

Relinquished By:	Date: 9-20	Receive	d By:		Phone Result:	Yes	□ No	Add'l Phone #:
	6-1-00	1	14		Fax Result:	Yes	□ No	Add'l Fax #:
2 X D	Time: 1652 Date:		171		REMARKS:			
Relinquished By:	Date:	Receive	d By:		-			
	Time:	1						
Delivered By: (Circle One)			Sample Condition	CHECKED BY:				
Sampler - UPS - Bus - Other:	0.4° ‡	<i>‡113</i>	Cool Intact	(Initials)				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	 BBC International, Inc. 									E	3//	LL TO					ANA	LYSIS	RE	QUE	ST		
Project Manage	r: Cliff Brunson							Ρ.0). #:														
Address: P.O	Box 805							Co	mpa	ny:	С	ОХY											
City: Hobbs	State: NM	Zip	: 8	382	41			Att	n:	WA	ADE	=											
Phone #: 575-	397-6388	-39	7-0	397					dres														
Project #:	Project Owner	r: 0	ху					Cit	y:														
	MLMU 212 (3-24-20)							Sta	te:			Zip:											
Project Locatio	n: Eddy County, NM							Ph	one	#:													
Sampler Name:	Simon Rendon							Fax	c #:														
FOR LAB USE ONLY					M	ATRI	X		PRE	SER	۲V.	SAMPL	ING										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	втех	трн ехт							
	SP6 @ 2'	5	1		1					-		6/3/20	3:12 PM	\checkmark	1	1							
	SP6 @ 3'	1	1		1				if.	1		6/3/20	3:22 PM	\checkmark	\checkmark	1							
	SP6 @ 4'	11	11								-	6/3/20	3:34 PM	\checkmark	1	1							
	SP6 @ 7'	\square	μ.	_			_				-	6/4/20	8:43 AM	1	\checkmark	\checkmark	 						
	SP6 @ 10'	H	H		-		-	_			-	6/4/20	9:28 AM	\checkmark	1	1							
	SP6 @ 13'	11	11			 	-			1	-	6/4/20	10:23 AM	1	1	1	 			_			
	SP6 @ 15'	H	4				-	3		1	-	6/4/20	11:05 AM	\checkmark	\checkmark	1							
	SP7 @ 1'	H	4			4	-			1	-+	6/4/20	11:30 AM	\checkmark	V	\checkmark	 					 	
	SP7 @ 2'	H	H				-			1	-	6/4/20	11:46 AM	V	1	\checkmark							
50	SP7 @ 3'	-*	*		4	4				Y	_	6/4/20	11:59 AM	\checkmark	1	1							

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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such clamags based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6-9-20	Received By:	IN	apprint of the boore stated in	Phone Result:	Yes	🗆 No	Add'l Phone #:
$=$ \bigcirc \downarrow		-	1 and		Fax Result:	Yes	🗆 No	Add'I Fax #:
Sinces	Time: 652		X		REMARKS:			
Relinquished By:	Date:	Received By:	V		1			
	Time:	-						
Delivered By: (Circle One)			Condition	CHECKED BY:	-			
Sampler - UPS - Bus - Other:	0.4° 1	HI13 Cool II		(Initials)				

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BBC International, Inc.							1	E	RIL	LTO						ANAI	YSIS	RE	OLIE	ST		
Project Manage	r: Cliff Brunson						1	P.O. #	_						1	1	T				T T	1	
Address: P.O	. Box 805						0	Comp	any:	0)	XY		1										
city: Hobbs	State: NM	Zi	p:	8824	1				WA														
Phone #: 575-			0.71					ddre		DE													
Project #:	Project Own							ity:															
Project Name:	MLMU 212 (3-24-20)							state:		Z	lip:												
Project Location	n: Eddy County, NM							hone					1										
Sampler Name:	Simon Rendon						-	ax #:															
FOR LAB USE ONLY			T		MA	TRIX			ESER	V.	SAMPL	ING	1										
Lab I.D. H001553	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL		DATE	TIME	CL	втех	трн ехт								
	SP7 @ 4'	G	1		l				1	6	6/4/20	12:47 PM	\checkmark	1	1								
	SP7 @ 7'	1	1		1				1	6	6/4/20	1:46 PM	\checkmark	\checkmark	1								
53	SP7 @ 10'									6	6/4/20	2:53 PM	1	1	1							1000 C. 10	
	SP7 @ 12'		11							6	5/4/20	3:36 PM	1	\checkmark	1								
	SP8 @ 1'									6	6/5/20	8:37 AM	1	1	1								
56	SP8 @ 2'									6	6/5/20	8:49 AM	1	1	1							1	
and the second sec										6	6/5/20	9:02 AM	1	1	1								
58	SP8 @ 4'		1							6	6/5/20	9:14 AM	\checkmark	1	1								
	SP8 @ 7'		11							6	5/5/20	10:00 AM	1	1	1								
60	SP8 @ 10' nd Damages. Cardinal's liability and client's exclusive remedy for	1	1		Y				V	6	/5/20	10:58 AM	1	1	1								

analyses All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clent, its subsidianes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, related so of whether such dam is based inon any of the above stated representation as a because

Relinquished By:		ived By:	Phone Result: Fax Result:	□ Yes □ Yes	□ No □ No	Add'I Phone #:
Relinquished By:*	Time: Contraction Time:	ived By:	REMARKS:			Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	0.4° #113		ECKED BY: (Initials)			

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

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Page 75 of 76



202

Page 130 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BBC International, Inc.							12			B//	LL TO					ANA	LYSIS	S RE	QUE	ST			
Project Manage	r: Cliff Brunson							Ρ.	0. #															
Address: P.O	Box 805							co	mp	any:	: (XY												
city: Hobbs	State: NM	Zip): {	882	41			At	tn:	W		=												
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397	7			1 a .	dre															
Project #:	Project Owner	. 0	ху					Ci	ty:														1	
Project Name:	MLMU 212 (3-24-20)							St	ate:			Zip:												
	n: Eddy County, NM							Pł	one	#:														
	Simon Rendon							Fa	Fax #:															
FOR LAB USE ONLY					P	MATR	IX		PRI	ESEI	RV.	SAMPL	NG	1				1					į	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	cL	втех	трн ехт								
61	SP8 @ 13'	G	1			1				1		65720	11:48 AM	1	1	1								
	SP8 @ 16'	1	1			1				L		6/9/20	12255 PM	1	\checkmark	1								
63	SP9 @ 1'					1.						6/5/20	1:25 PM	1	1	1								
64	SP9 @ 2'											615720	1:40 PM	1	\checkmark	\checkmark								
65	SP9 @ 3'											6/5/20	1:52 PM	\checkmark	\checkmark	1								
106	SP9 @ 4'		Ц									6/5/20	2:03 PM	1	1	\checkmark								
67	SP9 @ 5'	V	4			*				*		6/5/20	2:17 PM	1	\checkmark	\checkmark					_			
			1																					
										_	_						 							
1		1	1						1														(

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analyses All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is pased upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 0 7 0	Received By:		Phone Result:	Yes	🗆 No	Add'l Phone #:
$\leq \vee \otimes$	Time:			Fax Result: REMARKS:	Yes	🗆 No	Add'l Fax #:
ange	1652						
Relinquished By:	Date:	Received By:					
	Time:	· · · · · · · · · · · · · · · · · · ·	45				
Delivered By: (Circle One)	n de	Sample Condition	CHECKED BY:	1			
Sampler - UPS - Bus - Other:	U.TC ±	till3 Cool Intact Pres Pres No No No	(Initials)				

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Released to Imaging: 2/5/2024 11:12:05 AM



December 16, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #212

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	05		
		Fax To:	(575) 397-0397	7	
Received:	12/11/2020			Sampling Date:	12/09/2020
Reported:	12/16/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM				

Sample ID: SB 1 @ 14' (H003251-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 19' (H003251-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 29' (H003251-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 39' (H003251-04)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	12/15/2020	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,)5		
		Fax To:	(575) 397-0397		
Received:	12/11/2020			Sampling Date:	12/09/2020
Reported:	12/16/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM				

Sample ID: SB 1 @ 49' (H003251-05)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 54' (H003251-06)

Chloride, SM4500Cl-B	, SM4500CI-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 59' (H003251-07)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 17' (H003251-08)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 22' (H003251-09)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	12/15/2020	ND	400	100	400	7.69	QM-07

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	05			
		Fax To:	(575) 397-0397	,		
Received:	12/11/2020			Sampling Date:	1	2/09/2020
Reported:	12/16/2020			Sampling Type:	9	Soil
Project Name:	MLMU #212			Sampling Condition:	(Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	٦	Tamara Oldaker
Project Location:	OXY - LEA CO NM					

Sample ID: SB 2 @ 32' (H003251-10)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 2 @ 42' (H003251-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 2 @ 44' (H003251-12)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 2 @ 52' (H003251-13)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 13' (H003251-14)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	12/15/2020	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	05			
		Fax To:	(575) 397-0397	,		
Received:	12/11/2020			Sampling Date:	1	2/09/2020
Reported:	12/16/2020			Sampling Type:	9	Soil
Project Name:	MLMU #212			Sampling Condition:	(Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	٦	Tamara Oldaker
Project Location:	OXY - LEA CO NM					

Sample ID: SB 3 @ 18' (H003251-15)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 23' (H003251-16)

Chloride, SM4500Cl-B	hloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 33' (H003251-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 38' (H003251-18)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 43' (H003251-19)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/15/2020	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,)5		
		Fax To:	(575) 397-0397		
Received:	12/11/2020			Sampling Date:	12/10/2020
Reported:	12/16/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM				

Sample ID: SB 4 @ 17' (H003251-20)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 4 @ 22' (H003251-21)

Chloride, SM4500Cl-B	SM4500CI-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 4 @ 32' (H003251-22)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 4 @ 42' (H003251-23)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 4 @ 47' (H003251-24)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/15/2020	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,)5		
		Fax To:	(575) 397-0397		
Received:	12/11/2020			Sampling Date:	12/10/2020
Reported:	12/16/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number:	(3-24-20)			Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM				

Sample ID: SB 4 @ 52' (H003251-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 5 @ 5' (H003251-26)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 5 @ 10' (H003251-27)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 5 @ 15' (H003251-28)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 5 @ 25' (H003251-29)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunsc P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	12/11/2020			Sampling Date:	12/10/2020
Reported:	12/16/2020			Sampling Type:	Soil
Project Name:	MLMU #212			Sampling Condition:	Cool & Intact
Project Number: Project Location:	(3-24-20) OXY - LEA CO NM			Sample Received By:	Tamara Oldaker

Sample ID: SB 5 @ 35' (H003251-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77	

Sample ID: SB 5 @ 40' (H003251-31)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

(P.1 024)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

	(505) 393-2326 FAX (505) 393-247 BBC International, Inc.		-						設定	B	3/L	LTO	行音に出					ANA	LYSIS	RE	QUES	ST			
1	r: Cliff Brunson							P.C). #:																
Address: P.O.								Co	mpa	ny:	0	XY													
City: Hobbs	State: NM	Zip	: 8	882	41			Att	n:	WA	DE														
Phone #: 575-								Ad	dres	s:															
Project #:	Project Owne							Cit	y:																6
Project Name:	MLMU 212 (3-24-20)							Sta	te:		2	Zip:													
Project Location	n: Lea County, NM							Ph	one	#:															
	Simon Rendon							Fa	x #:								1								
FOR LAB USE ONLY		Γ	Г		N	IATRI	X	_	PRE	SEF	ŧ٧.	SAMPLI	NG												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	AINI	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT									
1	SB1 @ 14'	G	1			i l				1		12/9/20	11:10 AM			-		-	-	-		-	-		-
2	SB1 @ 19'	1	h			1				1		Ref. Providence and the	11:22 AM	-		-	-	-	-	-		-	-	-	-
3	SB1 @ 29'		11			4	-					the second second second	11:50 AM	-		-	-	-	-	-	<u> </u>	-	-		
4	SB1 @ 39'		11					-					12:38 PM	V.		-	-	+	-	-	-	-	1	-	-
5	SB1 @ 49'	Ш	1			4	+	-			_	1 312/32200	1:05 PM	ľ,	-	-	-	1	-	-	-	-	+	-	1
6	SB1 @ 54'	11	1	L			+	-			_	A MARK SET AND A	1:12 PM 1:23 PM	1º	-	+	+	+	-		-	-	-		
1	SB1 @ 59'	-11	#	+		+-	+	+	-			12/9/20	1:45 PM	1×	-	-	-	+	-		-	-	1		
4	SB2 @ 17'	11	#		-	-	-	+	-			12/9/20	1:52 PM	1	-	-	-	-			-		1		
2	SB2 @ 22'					L	-	-	\vdash		-	12/9/20	2:10 PM	17		-	1	-							
10	SB2 @ 32'		4			4	_	1					aid by the client for	or the	1	_	_	_		-	-	-	-		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for me analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

affliates or successors arising out of or related to the perform Relinquished By: Relinquished By: Relinquished By:	Time	Received By: Received By: Received By: Received By:	Oldaby	Phone Result: Pax Result: REMARKS:	□ Yes □ Yes	No No	Add'I Phone #: Add'I Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-1.1° #	Sample Condition Cool Intact Tes Tes No No	(Initials)				

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

Received by OCD: 9/21/2023 1:39:50 PM

(2034)

Page 11 of 13

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

	(505) 393-2326 FAX (505) 393-2476 y Name: BBC International, Inc.								BILL TO									ANA	LYS	IS R	EQUE	ST			
								P.0). #:	_															
Address: P.O.								Company: OXY																	
City: Hobbs	State: NM	Zir	. 8	8824	11			Attn: WADE																	
Phone #: 575-3								Address:																	
	Project Own			001				City:																	
Project #:		er. o	~ j																						
Project Name: 1	MLMU 212 (3-24-20)						-	State: Zip: Phone #:							1										
	Lea County, NM									#:															
	Simon Rendon	_	-	-		ATR	IV.		PRE	SEE	av I	SAMPLI	NG				1								
FOR LAB USE ONLY		OR (C)OMP.	RS	ATER	ER																				
Lab I.D. H003251	Sample I.D.	(G)RAB OR (GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	сг	BTEX	TPH EXT									
Auses.	SB2 @ 42'	G				i l				1			2:30 PM	1									_	-	-
	SB2 @ 44'	1				1				1		12/9/20	2:47 PM	1						-	-	-	-		
	SB2 @ 52'		11									12/9/20	2:57 PM	1					_	-		-	-		<u> </u>
	SB3 @ 13'		П										3:28 PM	1			-	-	-	-	-		-		-
	SB3 @ 18'												3:37 PM	1		-		-	-	-	-		-		+
16	SB3 @ 23'												3:51 PM	1		-	-		-	-			-		1
12	SB3 @ 33'												4:22 PM	1	-	-	-		-	-	-		-	-	-
18	SB3 @ 38'											12/9/20	4:36 PM	1		-	-		-	_			-	-	+
	SB3 @ 43'									1			4:51 PM	1		-		-	-	-	-	-	-	-	-
	SB4 @ 17'	1	4					1 .		ł		12/10/20	12:41 PM	_											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for incidental or consecuental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the state of the subsidiaries of the subsi

service. In no event shall Cardinal be liable for incidental or c	ance of services hereunder by C	ardinal, regard	less of whether such claim is base	d upon any of the above stated r	easons or otherwise.	-	- No.	Add'l Phone #:	
Relinguished By:	Date: 1 70	Receiv	ed By	nnni	Phone Result:	LI Yes	O No	Add'I Fax #:	
Keiniguisileu Dj.	12-11-20		//		Fex Result:	□ Yes	□ No	Add I Fax #.	
$\langle \rangle \rangle$	Time; 50		MAILIAKA	11 V dla HA	REMARKS:				
2 And D	1650		Lamoun	Xaak					
Relinquished By:	Date:	Receiv	ed By:	' 1					
					1				
1	Time:			-	1				
			Sample Condition	CHECKED BY:	1				
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Sampler - UPS - Bus - Other:	-1.10	#113		1					

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ARDINAL LABORATORIES

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

	(505) 393-2326 FAX (505) 393-2476 mpany Name: BBC International, Inc.								BILL TO									ANAL	YSI	S RE	QUE	ST	 	
	r: Cliff Brunson							P.O. #:																
Address: P.O.	Box 805							Con	npa	ny:	OX	Y												
City: Hobbs	State: NM	Zip	: 8	8824	1			Attn: WADE																
Phone #: 575-3	397-6388 Fax #: 57	5-39	7-0	397				Address:																
Project #:	Project Own	er: O	ху					City:																
	MLMU 212 (3-24-20)							State: Zip:																
	n: Lea County, NM							Phone #:																
	Simon Rendon							Fax	:#:															
FOR LAB USE ONLY			Г		M	ATRI	X		PRE	SERV	4	SAMPLI	NG											
Lab I.D. <i>H0032</i> 51	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	CHEN.	DATE	TIME	cr	втех	TPH EXT								
21	SB4 @ 22'	G	1		1					1	1		1:00 PM	1						-		-		
22	SB4 @ 32'	1	1							1	-		1:10 PM	1		-	-			-	-			-
23	SB4 @ 42'		11										1:20 PM	1		-	-	-		-		-		-
24	SB4 @ 47'						-				-		1:40 PM	V	-		-	-	-	-	-	-		
25	SB4 @ 52'					_	-			1			2:00 PM	1	-	-	-	-	-	-	-	-		
26	SB5 @ 5'						-				_	5.5.1 m 24.725	2:25 PM	14	-	-	-	-	-	-	-	-		-
27	SB5 @ 10'						-		_		-		2:30 PM	1		-	-	-		-	-	-		
28	SB5 @ 15'									1	-		2:35 PM	1	-	-				-	-	-		-
29	SB5 @ 25'		11				-			1		and the second second	3:00 PM	1	-	-	-	-	-	-	-			-
30	SB5 @ 35'		-			1				1	_		3:17 PM	1							1			

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anaryses. An caume including mose for negagence and any oner cause management and or opening mattering building mose of register or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Antinates or successors areany out of or related to the period	Date: Time:	Received By: Received By:	Adaby	Phone Result: Fax Result: REMARKS:	□ Yes □ Yes	□ No □ No	Add'l Phone #: Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-1.1c #	Sample Condition Cool Intact	CHECKED BY:	_			

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(434)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

	 (505) 393-2326 FAX (505) 393- BBC International, Inc. 							BILL TO					Winter 1				A	NAL	YSIS	REG	QUE	ST		
	r: Cliff Brunson							P.C). #:															
Address: P.O.								Company: OXY																
City: Hobbs	State: N	M Zip	: 8	8824	41			Attn: WADE																
Phone #: 575-3								Address:																
Project #:	Project O							City:																
Project Name: N	MLMU 212 (3-24-20)							Sta	te:		1	Zip:												
Project Location	n: Lea County, NM							Ph	one	#:														
Sampler Name:							-		c#:															
FOR LAB USE ONLY	-		Г		N	ATRI	X		PRE	SER	RV.	SAMPLI	NG											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	AN	GROUNDWATER	MASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	ТІМЕ	CL	BTEX	TPH EXT								
HO0 3251 31	SB5 @ 40'	G				1				1		12/10/20	3:30 PM	1										 -
51																						-		-
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	and Damages. Cardinafs liability and client's exclusive ren	wedy for any ri	laim at	ising w	ether 1	ased in	contra	ct or to	rt, sha	il be li	imited	to the amount pa	d by the client fo	or the										 -

PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client to the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whom, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service.

Relinquished By: Relinquished By:	Date: 72-11-20 Time: 7650 Date:	Received By: AULOVA L Received By:		hone Result: ex Result: EMARKS:	□ Yes □ Yes	□ No □ No	Add'I Phone #: Add'I Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time:	Sample Condition Cool Intact	CHECKED BY: (Initials)				

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Received by OCD: 9/21/2023 1:39:50 PM





Appendix D

Laboratory Reports


Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clair Gonzales Tetra Tech, Inc. 901 W Wall Ste 100 Midland, Texas 79701 Generated 12/31/2022 9:48:17 AM

JOB DESCRIPTION

MLMU #212 SDG NUMBER Lea County, NM

JOB NUMBER

880-23038-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701







Received by OCD: 9/21/2023 1:39:50 PM

1

Eurofins Midland

Job Notes

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

Authorization

RAMER

Generated 12/31/2022 9:48:17 AM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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	37
Lab Chronicle	44
Certification Summary	51
Method Summary	52
Sample Summary	53
Chain of Custody	54
Receipt Checklists	57

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Qualifiers

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tions/Glossary	1
Job ID: 880-23038-1 SDG: Lea County, NM	2
	3

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 VO	Α
Qualifier	Qualifier Description
*_	LCS and/or LCSD is outside acceptance limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery

¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	10
%R	Percent Recovery	
CFL	Contains Free Liquid	4.5
CFU	Colony Forming Unit	13
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	

Released to Imaging: 2/5/2024 11:12:05 AM

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Job ID: 880-23038-1 SDG: Lea County, NM

Job ID: 880-23038-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23038-1

Receipt

The samples were received on 12/22/2022 1:00 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 0.5°C

Receipt Exceptions

The following samples analyzed for method <TPH 1005> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-42738 and analytical batch 880-42636 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42708 and analytical batch 880-42809 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42707 and analytical batch 880-42806 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: MLMU #212

Client Sample ID: SW-1 Date Collected: 12/20/22 10:00

Date Received: 12/22/22 13:00

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 11:35	1
1,4-Difluorobenzene (Surr)	71		70 - 130				12/28/22 14:41	12/30/22 11:35	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/30/22 13:21	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Dies									
			· · · ·			_	- ·		
Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	· · · ·	MDL	Unit mg/Kg	<u> </u>	Prepared 12/28/22 08:21	Analyzed 12/28/22 18:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u> </u>	<u> </u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U	RL 49.9	MDL	mg/Kg mg/Kg	<u>D</u>	12/28/22 08:21 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U U U	RL 49.9	MDL	mg/Kg	<u> </u>	12/28/22 08:21	12/28/22 18:13	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 08:21 12/28/22 08:21 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9 49.9 49.9 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U U U Qualifier	RL 49.9 49.9 49.9 49.9 49.9 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.9	Qualifier U U U Qualifier	RL 49.9 49.9 49.9 49.9 49.9 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg	<u>D</u>	12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions	Result <49.9	Qualifier U U Q Qualifier	RL 49.9 49.9 49.9 49.9 49.9 49.9 70.130 70.130 70.130 Oluble		mg/Kg mg/Kg mg/Kg		12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 12/28/22 08:21	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions Analyte	Result <49.9	Qualifier U U Q Qualifier	RL 49.9 49.9 49.9 49.9 49.9 49.9 0.0 0 0 RL		mg/Kg mg/Kg mg/Kg mg/Kg Unit		12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared	12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13 12/28/22 18:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions Analyte Chloride	Result <49.9	Qualifier U U Q Qualifier	RL 49.9 49.9 49.9 49.9 49.9 49.9 0.0 0 0 RL		mg/Kg mg/Kg mg/Kg mg/Kg Unit		12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared	12/28/22 18:13 12/28/22 18:13	Dil Fa Dil Fa

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-1

Matrix: Solid

5

12/28/22 14:41	12/30/22 11:55	1
	Eurofine Mid	امسط
	Eurofins Mid	land

Analyzed

12/30/22 11:55

12/30/22 11:55

12/30/22 11:55

12/30/22 11:55

12/30/22 11:55

12/30/22 11:55

Analyzed

12/30/22 11:55

<0.00399	U	0.00399	mg/Kg
%Recovery	Qualifier	Limits	
117		70 - 130	
105		70 130	

Result Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

<0.00399 U

<0.00200 U

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

RL

0.00200

0.00200

0.00200

0.00399

0.00200

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

12/28/22 14:41

12/28/22 14:41

12/28/22 14:41

12/28/22 14:41

12/28/22 14:41

12/28/22 14:41

Prepared

12/28/22 14:41

Dil Fac

1

1

1

1

1

1

1

Dil Fac

5

Client Sample Results

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-2

Client Sample ID: SW-2 Date Collected: 12/20/22 10:10

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/22 13:21	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:21	
GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:21	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:21	
Fotal TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
I-Chlorooctane			70 - 130				12/28/22 08:21	12/28/22 19:21	
p-Terphenyl	112		70 - 130				12/28/22 08:21	12/28/22 19:21	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	30.6		5.04		mg/Kg			12/30/22 11:00	
lient Sample ID: SW-3							Lab Sam	ple ID: 880-2	3038-3
ate Collected: 12/20/22 10:20								Matri	x: Solie

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/28/22 14:41	12/30/22 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 12:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/28/22 14:41	12/30/22 12:16	1

Method: TAL SOP Total BTEX - Tota	al BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/30/22 16:14	1
Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (O	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:43	1

Eurofins Midland

Released to Imaging: 2/5/2024 11:12:05 AM

(GRO)-C6-C10

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-3

Client Sample ID: SW-3

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 10:20

Date Received: 12/22/22 13:00									
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:43	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:43	
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 19:43	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	124		70 - 130				12/28/22 08:21	12/28/22 19:43	
o-Terphenyl	108		70 - 130				12/28/22 08:21	12/28/22 19:43	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - S	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	40.1		5.02		mg/Kg			12/30/22 11:05	
lient Sample ID: SW-4							Lab Sam	ple ID: 880-2	3038-
ate Collected: 12/20/22 10:30								Matri	x: Soli
ate Received: 12/22/22 13:00									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:37	
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:37	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:37	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 12:37	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:37	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 12:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 12:37	
1,4-Difluorobenzene (Surr)	99		70 - 130				12/28/22 14:41	12/30/22 12:37	
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398		mg/Kg		·	12/30/22 16:14	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			12/29/22 13:26	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics			49.8		mg/Kg		12/28/22 08:21	12/28/22 20:05	
(GRO)-C6-C10					mgrivy		12120122 00.21	12120122 20.0J	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/22 08:21	12/28/22 20:05	
			10.0				10/00/00 00 01	10/00/00 00 05	

Total TPH	<49.8	U	49.8	mg/Kg	12/28/22 08:21	12/28/22 20:05	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130		12/28/22 08:21	12/28/22 20:05	1
o-Terphenyl	99		70 - 130		12/28/22 08:21	12/28/22 20:05	1

49.8

mg/Kg

<49.8 U

Eurofins Midland

12/28/22 20:05

12/28/22 08:21

5

Oll Range Organics (Over C28-C36)

5

Client Sample Results

Job ID: 880-2303	8-1
SDG: Lea County,	NM

Lab Sample ID: 880-23038-4

Client Sample ID: SW-4

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Date Collected: 12/20/22 10:30 Date Received: 12/22/22 13:00

Method: MCAWW 300.0 - Anions				MDI	Unit	D	Bronorod	Applyrod	
Analyte Chloride	Result 6.49	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/30/22 00:47	Dil Fa
-					5 5				
Client Sample ID: SW-5							Lab Sam	ple ID: 880-2	
Date Collected: 12/20/22 10:40								Matri	x: Solie
Date Received: 12/22/22 13:00									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:58	
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:58	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:58	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 12:58	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 12:58	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 12:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130				12/28/22 14:41	12/30/22 12:58	
1,4-Difluorobenzene (Surr)	83		70 - 130				12/28/22 14:41	12/30/22 12:58	
Method: TAL SOP Total BTEX - T		vulation							
		Qualifier	ы	MDI	11		Duomourod	Analyzad	
Analyte Total BTEX	- Result <0.00398			MDL	mg/Kg	D	Prepared	Analyzed 12/30/22 16:14	Dil Fa
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	
			(00)						
Method: SW846 8015B NM - Dies				MDI	11		Duomonod	Analyzad	
Analyte	Kesuit <49.9	Qualifier		MDL	Unit	D	Prepared 12/28/22 08:21	Analyzed 12/28/22 20:28	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 00.21	12/20/22 20.20	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 20:28	
C10-C28)		C	1010				12/20/22 00:21	12/20/22 20:20	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 20:28	
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 20:28	
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1+	70 - 130				12/28/22 08:21	12/28/22 20:28	
o-Terphenyl	115		70 - 130				12/28/22 08:21	12/28/22 20:28	
Method: MCANAW 200.0 Aniona	Ion Chromoto	aranhu C	olublo						
Method: MCAWW 300.0 - Anions Analyte		Qualifier	RL	мпі	Unit	D	Prepared	Analyzed	Dil Fa
Chloride		Juannei	5.04		mg/Kg		Fiepaleu	12/30/22 01:01	
Chionde	17.2		5.04		ilig/itg			12/30/22 01:01	
lient Sample ID: SW-6							Lab Sam	ple ID: 880-2	3038-
ate Collected: 12/20/22 10:50								Matri	x: Soli
ate Received: 12/22/22 13:00									
Method: SW846 8021B - Volatile									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 13:18	1

5

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-6

Client Sample ID: SW-6

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 10:50 Date Received: 12/22/22 13:00

Method: SW846 8021B - Volatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 13:18	1
m-Xylene & p-Xylene	< 0.00399		0.00399		mg/Kg		12/28/22 14:41	12/30/22 13:18	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 13:18	1
Xylenes, Total	<0.00399		0.00399		mg/Kg		12/28/22 14:41	12/30/22 13:18	. 1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/28/22 14:41	12/30/22 13:18	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				12/28/22 14:41	12/30/22 13:18	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/22 16:14	1
- Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) ((GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8		mg/Kg			12/29/22 13:26	1
-									
Method: SW846 8015B NM - Die Analyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8		49.8		mg/Kg		12/28/22 08:21	12/28/22 20:50	1
(GRO)-C6-C10	10.0	0	10.0		mg/rtg		12/20/22 00.21		
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/28/22 08:21	12/28/22 20:50	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/22 08:21	12/28/22 20:50	1
Total TPH	<49.8	U	49.8		mg/Kg		12/28/22 08:21	12/28/22 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/28/22 08:21	12/28/22 20:50	1
o-Terphenyl	98		70 - 130				12/28/22 08:21	12/28/22 20:50	1
Method: MCAWW 300.0 - Anion	e Ion Chromato	aranhu - Se	alublo						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.33		5.03		mg/Kg			12/30/22 01:06	1
Client Sample ID: SW-7							Lab Sam	ple ID: 880-2	3038-7
Date Collected: 12/20/22 11:00								-	ix: Solid
Date Received: 12/22/22 13:00								Math	
-									
Method: SW846 8021B - Volatile						_	_ .		
Analyte		Qualifier	RL	WIDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
Toluene	< 0.00201		0.00201		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
Ethylbenzene	< 0.00201		0.00201		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
m-Xylene & p-Xylene	< 0.00402		0.00402		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
o-Xylene	<0.00201		0.00201		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/22 14:41	12/30/22 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

12/30/22 13:39

12/30/22 13:39

12/28/22 14:41

12/28/22 14:41

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

70 - 130

70 - 130

113

104

1

Matrix: Solid

5

Client Sample Results

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-7

Client Sample ID: SW-7 Date Collected: 12/20/22 11:00

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/30/22 16:14	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 21:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 21:12	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 21:12	1
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				12/28/22 08:21	12/28/22 21:12	1
o-Terphenyl	96		70 - 130				12/28/22 08:21	12/28/22 21:12	1
Method: MCAWW 300.0 - Anion	s, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			12/30/22 01:10	1

Date Collected: 12/20/22 11:10

Date Received: 12/22/22 13:00

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		12/28/22 14:41	12/30/22 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 14:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 14:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/28/22 14:41	12/30/22 14:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/28/22 14:41	12/30/22 14:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401		mg/Kg			12/30/22 16:14	1
—									
	esel Range Organ	ics (DRO) ((3 C)						
 Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (C	GC)						
– Method: SW846 8015 NM - Die Analyte	• •	<mark>ics (DRO) (C</mark> Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 21:34	1
(GRO)-C6-C10									

5

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-8

Client Sample ID: SW-8 Date Collected: 12/20/22 11:10

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Method: SW846 8015B NM - Di	iesel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 21:34	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 21:34	
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 21:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	113		70 - 130				12/28/22 08:21	12/28/22 21:34	
o-Terphenyl	106		70 - 130				12/28/22 08:21	12/28/22 21:34	
Method: MCAWW 300.0 - Anio	ns, Ion Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	5.57		4.95		mg/Kg			12/30/22 01:15	
lient Sample ID: SW-9							Lab Sam	ple ID: 880-2	3038-
ate Collected: 12/20/22 11:20								•	x: Soli
								Matri	x. 0011
ate Received: 12/22/22 13:00									
	le Organic Comp	ounds (GC)						
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati		ounds (GC Qualifier) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte			•	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/28/22 14:41	Analyzed 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene	Result	Qualifier U		MDL		<u>D</u>	· · ·		
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene	Result <0.00199	Qualifier U U	RL	MDL	mg/Kg	<u> </u>	12/28/22 14:41	12/30/22 14:21	
ate Received: 12/22/22 13:00	Result <0.00199	Qualifier U U U	RL 0.00199 0.00199	MDL	mg/Kg mg/Kg	<u>D</u>	12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene	Result <0.00199	Qualifier U U U	RL 0.00199 0.00199 0.00199	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Result <0.00199	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene b-Xylene Xylenes, Total Surrogate	Result <0.00199	Qualifier U U U U U U U	RL 0.00199 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result <0.00199	Qualifier U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00398 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 Analyzed	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00199	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	Result <0.00199	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 70 - 130		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result <0.00199	Qualifier U U U U U Qualifier	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 70-130 70-130		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 Prepared 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 Analyzed 12/30/22 14:21 12/30/22 14:21	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	Result <0.00199	Qualifier U U U U U U U Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 RL 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit		12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 Prepared 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 Analyzed	Dil Fa
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	Result <0.00199	Qualifier U U U U U U U Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 RL 0.00398		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg		12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 12/28/22 14:41 Prepared 12/28/22 14:41 12/28/22 14:41	12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 12/30/22 14:21 Analyzed	Dil Fa

Result Qualifier Dil Fac Analyte RL MDL Unit D Prepared Analyzed Gasoline Range Organics <49.9 U 49.9 12/28/22 08:21 12/28/22 21:57 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 12/28/22 08:21 12/28/22 21:57 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 12/28/22 08:21 12/28/22 21:57 Total TPH 12/28/22 08:21 12/28/22 21:57 <49.9 U 49.9 mg/Kg %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 96 70 - 130 12/28/22 08:21 12/28/22 21:57 92 70 - 130 12/28/22 08:21 12/28/22 21:57

o-Terphenyl

1

1

1

1

1

Client Sample Results

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-9

Client Sample ID: SW-9

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 11:20

Method: MCAWW 300.0 - Anions					11		Description	A	D!!
Analyte Chloride		Qualifier		MDL	Unit ma/Ka	D	Prepared	Analyzed 12/30/22 01:29	Dil Fac
Chlonde	79.8		5.03		mg/Kg			12/30/22 01.29	
Client Sample ID: SW-10							Lab Samp	le ID: 880-23	038-10
ate Collected: 12/20/22 11:30								Matri	x: Solic
Date Received: 12/22/22 13:00									
- Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	`						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00199		0.00199		mg/Kg		12/28/22 14:41	12/30/22 14:41	
Toluene	< 0.00199		0.00199		mg/Kg		12/28/22 14:41	12/30/22 14:41	
Ethylbenzene	< 0.00199		0.00199		mg/Kg		12/28/22 14:41	12/30/22 14:41	
m-Xylene & p-Xylene	< 0.00398		0.00398		mg/Kg		12/28/22 14:41	12/30/22 14:41	
o-Xylene	< 0.00199		0.00199		mg/Kg		12/28/22 14:41	12/30/22 14:41	1
Xylenes, Total	< 0.00398		0.00398		mg/Kg		12/28/22 14:41	12/30/22 14:41	1
Aylonos, Iotai	-0.00590	5	0.00090		mynxy		12/20/22 14.41	12/00/22 14.41	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 14:41	
1,4-Difluorobenzene (Surr)	104		70 - 130				12/28/22 14:41	12/30/22 14:41	
Method: TAL SOP Total BTEX - T						_	_ .		
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398		mg/Kg			12/30/22 16:14	,
Method: SW846 8015 NM - Diese						_	- ·		
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 22:19	· · · ·
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 22:19	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 22:19	
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 22:19	
Summe mede	% Decession	Qualifian	Limite				Dremered	Analyzad	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	105		70 - 130				12/28/22 08:21	12/28/22 22:19	
o-Terphenyl	96		70 - 130				12/28/22 08:21	12/28/22 22:19	
Method: MCAWW 300.0 - Anions	. Ion Chromato	ography - S	oluble						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	33.9		5.01		mg/Kg			12/30/22 01:34	
Client Sample ID: SW-11							Lab Samp	le ID: 880-23	038-11
ate Collected: 12/20/22 11:40									x: Solid
Date Received: 12/22/22 13:00								watri	
_									
Method: SW846 8021B - Volatile Analyte		ounds (GC) Qualifier) RL	мы	Unit	D	Prepared	Analyzed	Dil Fa
	nooun	quanto							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 16:06	1

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Matrix: Solid

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Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-11

Client Sample ID: SW-11

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 11:40 Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 16:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 14:41	12/30/22 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 16:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 14:41	12/30/22 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		S1-	70 - 130				12/28/22 14:41	12/30/22 16:06	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/28/22 14:41	12/30/22 16:06	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:04	1
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/28/22 08:21	12/28/22 23:04	1
o-Terphenyl	85		70 - 130				12/28/22 08:21	12/28/22 23:04	1
Method: MCAWW 300.0 - Anion	s, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		5.00		mg/Kg			12/30/22 01:39	1
lient Sample ID: SW-12							Lab Samp	le ID: 880-23	038-12
ate Collected: 12/20/22 11:50 ate Received: 12/22/22 13:00								Matri	ix: Solid
	0								
Method: SW846 8021B - Volatile Analyte	· ·	OUNDS (GC) Qualifier) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		12/28/22 14:41	12/30/22 17:27	1
					5.5				

1,4-Difluorobenzene (Surr)	98		70 - 130		12/28/22 14:41	12/30/22 17:27	1
4-Bromofluorobenzene (Surr)	114		70 - 130		12/28/22 14:41	12/30/22 17:27	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00402	U	0.00402	mg/Kg	12/28/22 14:41	12/30/22 17:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg	12/28/22 14:41	12/30/22 17:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg	12/28/22 14:41	12/30/22 17:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg	12/28/22 14:41	12/30/22 17:27	1
Toluene	<0.00201	U	0.00201	mg/Kg	12/28/22 14:41	12/30/22 17:27	1

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Released to Imaging: 2/5/2024 11:12:05 AM

Client Sample Results

Job ID: 880-23038-	1
SDG: Lea County, NM	Λ

Lab Sample ID: 880-23038-12

Client Sample ID: SW-12 Date Collected: 12/20/22 11:50

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 23:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 23:26	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 23:26	1
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/28/22 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				12/28/22 08:21	12/28/22 23:26	1
o-Terphenyl	105		70 - 130				12/28/22 08:21	12/28/22 23:26	1
Method: MCAWW 300.0 - Anions	s, Ion Chromato	ography - S	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/30/22 01:43	1
lient Sample ID: SW-13							Lab Samp	le ID: 880-23	038-13
ate Collected: 12/20/22 13:00									x: Solic

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				12/28/22 14:41	12/30/22 17:47	1
1,4-Difluorobenzene (Surr)	74		70 _ 130				12/28/22 14:41	12/30/22 17:47	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Diese	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:48	1

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Matrix: Solid

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(GRO)-C6-C10

Job ID: 880-23038-1 SDG: Lea County, NM

Client Sample ID: SW-13 Date Collected: 12/20/22 13:00

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Method: SW846 8015B NM - Die				-					
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:48	1
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/28/22 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/28/22 08:21	12/28/22 23:48	1
o-Terphenyl	115		70 - 130				12/28/22 08:21	12/28/22 23:48	1
Method: MCAWW 300.0 - Anions	s, Ion Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.96		mg/Kg			12/30/22 01:48	1
lient Sample ID: SW-14							Lab Samp	le ID: 880-23	038-14
ate Collected: 12/20/22 13:10 ate Received: 12/22/22 13:00								Matri	ix: Solid
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 18:08	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 18:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/28/22 14:41	12/30/22 18:08	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Die			(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:09	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:09	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118	70 - 130	12/28/22 08:21	12/29/22 00:09	1
o-Terphenyl	105	70 - 130	12/28/22 08:21	12/29/22 00:09	1

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Lab Sample ID: 880-23038-13 Matrix: Solid 5

Client Sample Results

Job ID: 880-2303	8-1
SDG: Lea County,	NM

Client Sample ID: SW-14 Date Collected: 12/20/22 13:10

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Method: MCAWW 300.0 - Anions,	Ion Chromata	aranhu S	olublo						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	128	F1	4.95		mg/Kg			12/30/22 01:53	
Client Sample ID: SW-15							Lab Samp	le ID: 880-23	038-1
ate Collected: 12/20/22 13:20									x: Sol
Date Received: 12/22/22 13:00									
- Method: SW846 8021B - Volatile C)rganic Comp	ounds (GC)						
Analyte	•	Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:29	
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:29	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:29	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 18:29	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 18:29	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 18:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	118		70 - 130				12/28/22 14:41	12/30/22 18:29	
1,4-Difluorobenzene (Surr)	101		70 - 130				12/28/22 14:41	12/30/22 18:29	
-									
Method: TAL SOP Total BTEX - To					11		Descended	A	
Analyte Total BTEX	<0.00398	Qualifier		MDL	mg/Kg	D	Prepared	Analyzed 12/31/22 10:22	Dil F
MOTOOD' SWX/6 XI''S NM - LUCCO			001						
Analyte Total TPH	• •	Qualifier	GC) 	MDL	-	<u>D</u>	Prepared	Analyzed	Dil Fa
	Result	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared		Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese	Result <49.9	Qualifier	(GC)		mg/Kg			12/29/22 13:26	
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <49.9 el Range Orga Result	Qualifier U nics (DRO) Qualifier	(GC)	MDL	mg/Kg Unit	D	Prepared	12/29/22 13:26 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Diese	Result <49.9	Qualifier U nics (DRO) Qualifier	(GC)		mg/Kg			12/29/22 13:26	
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 el Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC)		mg/Kg Unit		Prepared	12/29/22 13:26 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 el Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U	(GC) (BC) (49.9 (GC) (BC) (49.9		mg/Kg Unit mg/Kg		Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31	
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21	Analyzed 12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31	
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9	Qualifier U nics (DRO) Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21	Analyzed 12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U nics (DRO) Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21	Analyzed 12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9	Qualifier U nics (DRO) Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 70.130 70.130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions,	Result <49.9	Qualifier U nics (DRO) Qualifier U U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 70.130 70.130 70.130 70.130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 12/28/22 08:21	Analyzed 12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U Qualifier U U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 0.100 200 Limits 70 - 130 70 - 130 Doluble RL		mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21	Analyzed 12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31	Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride	Result <49.9	Qualifier U Qualifier U U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 70.130 70.130 70.130 70.130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07	Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Client Sample ID: SW-16	Result <49.9	Qualifier U Qualifier U U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 0.100 200 Limits 70 - 130 70 - 130 Doluble RL	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 le ID: 880-23	Dil Fa Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Client Sample ID: SW-16	Result <49.9	Qualifier U Qualifier U U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 0.100 200 Limits 70 - 130 70 - 130 Doluble RL	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 le ID: 880-23	Dil F Dil F Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Client Sample ID: SW-16 Date Collected: 12/20/22 13:30	Result <49.9	Qualifier U Qualifier U U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.9 0.100 200 Limits 70 - 130 70 - 130 Doluble RL	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 le ID: 880-23	Dil F Dil F Dil F
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Client Sample ID: SW-16 Date Collected: 12/20/22 13:30	Result <49.9	Qualifier U nics (DRO) Qualifier U U U Qualifier Qualifier U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 5.05	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 le ID: 880-23	Dil Fa Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Client Sample ID: SW-16 Date Collected: 12/20/22 13:30 Date Received: 12/22/22 13:00	Result <49.9 el Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U U Qualifier U Qualifier U O Qualifier U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 49.9 5.05	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared 12/28/22 08:21 Prepared 12/28/22 08:21	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 le ID: 880-23	Dil Fa Dil Fa Dil Fa 038-1 x: Soli
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions, Analyte Chloride Chloride Chloride Chloride Chloret Sample ID: SW-16 Date Collected: 12/20/22 13:30 Date Received: 12/22/22 13:00 Method: SW846 8021B - Volatile C	Result <49.9 el Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U U Qualifier U Qualifier U O Qualifier U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9 130 70 - 130 5.05	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 12/28/22 08:21 Prepared Prepared Lab Samp	12/29/22 13:26 Analyzed 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/29/22 00:31 12/30/22 02:07 Ie ID: 880-230 Matri	Dil Fa Dil Fa Dil Fa Dil Fa Dil Fa

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Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-16

Client Sample ID: SW-16

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 13:30 Date Received: 12/22/22 13:00

m:Xylene & p.Xylene <0.00402 0.00402 mg/kg 1228/22 14.41 1230/22 18.50 c:Xylene & <0.00201 0.00201 mg/kg 1228/22 14.41 1230/22 18.50 Surrogate <0.00402 0.00402 mg/kg 1228/22 14.41 1230/22 18.50 Surrogate <0.00402 0.00402 mg/kg 1228/22 14.41 1230/22 18.50 Surrogate <t< th=""><th>Analyte</th><th>Result</th><th>Qualifier</th><th>RL</th><th>MDL</th><th>Unit</th><th>D</th><th>Prepared</th><th>Analyzed</th><th>Dil Fac</th></t<>	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nome -0.00201 U 0.00201 mg/Kg 1228/22 14:41 12/30/22 18:50 Surrogate -0.00402 U 0.00402 mg/Kg 1228/22 14:41 12/30/22 18:50 Surrogate -KRecovery Qualifier Limits Propared Analyzed DI Fa ADMurobenzene (Surr) 69 51- 70-130 12/28/22 14:41 12/30/22 18:50 DI Fa Method: TAL SOP Total BTEX - Total BTEX Calculation Nanyeo Result 0.00402 U 0.00402 mg/Kg 12/31/22 10:22 DI Fa Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) NANyeo MDL Unit D Propared Analyzed DI Fa Geal TPH <50.0	Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:41	12/30/22 18:50	1
Kylenes, Total 40.0402 U 0.0402 mg/Kg 12/28/22 14:41 12/30/22 18:50 Surrogate %Recovery Qualifier Limits 70 - 130 12/28/22 14:41 12/30/22 18:50 Dil Fa Laromoliurobenzene (Surr) 69 S1- 70 - 130 12/28/22 14:41 12/30/22 18:50 Dil Fa Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 mg/Kg D Prepared Analyzed Dil Fa Total STEX Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total STEX 0.0 Unit	m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/22 14:41	12/30/22 18:50	1
Kylenes, Total 40.0402 U 0.0402 mg/Kg 12/28/22 14:41 12/30/22 18:50 Surrogate %Recovery Qualifier Limits 70 - 130 12/28/22 14:41 12/30/22 18:50 Dil Fa Laromoliurobenzene (Surr) 69 S1- 70 - 130 12/28/22 14:41 12/30/22 18:50 Dil Fa Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 MDL Unit D Prepared Analyzed Dil Fa Total STEX <0.00402 U 0.00402 mg/Kg D Prepared Analyzed Dil Fa Total STEX Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total STEX 0.0 Unit	p-Xylene	<0.00201	U	0.00201				12/28/22 14:41	12/30/22 18:50	1
Hermonfluorobenzene (Surr) 69 S1. 70.130 12/28/22 14.41 12/30/22 18.50 I,4-Difluorobenzene (Surr) 64 S1. 70.130 12/28/22 14.41 12/30/22 18.50 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Gial STEX <0.00402	Kylenes, Total	<0.00402	U	0.00402		mg/Kg			12/30/22 18:50	1
1,4-Difluorobenzene (Surr) 64 S1- 70-130 12/28/22 14:41 12/28/22 18:50 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total BTEX <	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit p Prepared Analyzed Dil Fa Total BTEX <0.00402	4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				12/28/22 14:41	12/30/22 18:50	1
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total BTEX <0.00402	1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				12/28/22 14:41	12/30/22 18:50	1
Indul BTEX <0.00402 U 0.00402 mg/Kg 12/31/22 10:22 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Indal TPH <50.0	Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Wethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa fold TPH <50.0	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Total TPH < 50.0	Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/22 10:22	1
Foral TPH <50.0 U 50.0 mg/Kg 12/29/22 13:26 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa GRO: OCS-C10 Sasoline Range Organics (Over <50.0	Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa GRO)-C6-C10 Saoline Range Organics (Over <50.0	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Gasoline Range Organics (GRO)-C8-010 <50.0	lotal TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	1
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Gasoline Range Organics <50.0										
Sasoline Range Organics <50.0		• •		· · ·			_			
GRO)-C6-C10 mg/Kg 12/28/22 08:21 12/29/22 00:52 C10-C28) mg/Kg 12/28/22 08:21 12/29/22 00:52 DIRange Organics (Over C28-C36) <50.0	-				MDL		<u>D</u>			
Diesel Range Organics (Over <50.0	0 0	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:52	1
C10-C28) Survey of the second state of t		<50.0	П	50.0		ma/Ka		12/28/22 08.21	12/29/22 00.52	1
Dil Range Organics (Over C28-C36) <50.0			0	00.0		mg/rtg		12/20/22 00.21	12/20/22 00:02	
Total TPH <50.0 U 50.0 mg/Kg 12/28/22 08:21 12/29/22 00:52 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fa 1-Chlorooctane 124 70 - 130 12/28/22 08:21 12/28/22 08:21 12/29/22 00:52 Dil Fa 0-Terphenyl 109 70 - 130 12/28/22 08:21 12/29/22 00:52 Dil Fa Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Chloride <5.03		<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:52	1
1-Chlorooctane 124 70 - 130 12/28/22 08:21 12/29/22 00:52 0-Terphenyl 109 70 - 130 12/28/22 08:21 12/29/22 00:52 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble 12/28/22 08:21 12/29/22 00:52 Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Chloride <5.03		<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 00:52	1
109 70 - 130 12/28/22 08:21 12/29/22 00:52 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Chloride <5.03	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Chloride <5.03	1-Chlorooctane	124		70 - 130				12/28/22 08:21	12/29/22 00:52	1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FaChloride<5.03	o-Terphenyl	109		70 - 130				12/28/22 08:21	12/29/22 00:52	1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FaChloride<5.03	Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Lab Sample ID: SW-17 Lab Sample ID: 880-23038-11 ate Collected: 12/20/22 13:40 Matrix: Solid ate Received: 12/22/22 13:00 Matrix: Solid Method: SW846 8021B - Volatile Organic Compounds (GC) Malyte Analyte Result Qualifier Result Qualifier RL Senzene <0.00199					MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ate Collected: 12/20/22 13:40 Ate Received: 12/22/22 13:00 Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte <u>Result</u> Qualifier <u>RL</u> <u>MDL</u> Unit <u>D</u> <u>Prepared</u> <u>Analyzed</u> <u>Dil Fa</u> 3enzene <u><0.00199</u> U <u>0.00199</u> <u>mg/Kg</u> <u>P</u> <u>12/28/22 14:41</u> <u>12/30/22 19:11</u>	Chloride	<5.03	U	5.03		mg/Kg			12/30/22 02:11	1
ate Received: 12/22/22 13:00 Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Benzene <0.00199	lient Sample ID: SW-17							Lab Samp	le ID: 880-23	038-17
Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Benzene <0.00199	ate Collected: 12/20/22 13:40							_	Matri	x: Solid
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FaBenzene<0.00199	ate Received: 12/22/22 13:00									
Senzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:41 12/30/22 19:11	Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))						
		•		·	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene <0.00199 U 0.00199 mg/Kg 12/28/22 14:41 12/30/22 19:11								10/00/00 11.11	10/20/22 10:11	1
	Benzene	<0.00199	U	0.00199		mg/ĸg		12/20/22 14:41	12/30/22 19:11	

m-Xylene & p-Xylene	<0.00398 U	0.00398	mg/Kg	12/28/22 14:41	12/30/22 19:11	1
o-Xylene	<0.00199 U	0.00199	mg/Kg	12/28/22 14:41	12/30/22 19:11	1
Xylenes, Total	<0.00398 U	0.00398	mg/Kg	12/28/22 14:41	12/30/22 19:11	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Qualifier	<i>Limits</i> 70 _ 130		Prepared 12/28/22 14:41	Analyzed	Dil Fac

Eurofins Midland

Released to Imaging: 2/5/2024 11:12:05 AM

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Client Sample Results

Job ID: 880-23038-	1
SDG: Lea County, NM	Λ

Lab Sample ID: 880-23038-17

Client Sample ID: SW-17 Date Collected: 12/20/22 13:40

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 01:14	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 01:14	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 01:14	
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 01:14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	114		70 - 130				12/28/22 08:21	12/29/22 01:14	
o-Terphenyl	104		70 - 130				12/28/22 08:21	12/29/22 01:14	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/30/22 02:26	1
lient Sample ID: SW-18							Lab Samp	le ID: 880-23	038-18
ate Collected: 12/20/22 13:50								Matri	x: Solid
ate Received: 12/22/22 13:00									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:41	12/30/22 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:41	12/30/22 19:31	1
Xylenes, Total	<0.00398	U	0.00398	I	mg/Kg		12/28/22 14:41	12/30/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 19:31	1
1,4-Difluorobenzene (Surr)	102		70 _ 130				12/28/22 14:41	12/30/22 19:31	1

Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (O	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 13:26	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:36	1

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Released to Imaging: 2/5/2024 11:12:05 AM

(GRO)-C6-C10

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-18

Client Sample ID: SW-18

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 13:50

Method: SW846 8015B NM - Dies				· ·		_			
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:36	1
C10-C28)	. 40.0		10.0		117		10/00/00 00 01	40/00/00 04 00	
Oll Range Organics (Over C28-C36)	<49.9		49.9		mg/Kg		12/28/22 08:21	12/29/22 01:36	1
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/28/22 08:21	12/29/22 01:36	1
o-Terphenyl	110		70 - 130				12/28/22 08:21	12/29/22 01:36	1
Method: MCAWW 300.0 - Anions	Ion Chromato	oranhy - S	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01		5.01		mg/Kg			12/30/22 02:30	1
· · · · · · · · · · · · · · · · · · ·	-0.01	0	0.01		mg/rtg			12/00/22 02:00	
lient Sample ID: SW-19							Lab Samp	le ID: 880-23	038-19
ate Collected: 12/20/22 14:00 ate Received: 12/22/22 13:00								Matri	ix: Solic
Method: SW846 8021B - Volatile Analyte	• •	ounds (GC Qualifier) RL	МП	Unit	D	Prepared	Analyzed	Dil Fa
	- <		0.00200				<u> </u>	12/30/22 19:52	
Benzene					mg/Kg		12/28/22 14:41		
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 19:52	-
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 19:52	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 19:52	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:41	12/30/22 19:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 14:41	12/30/22 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	118		70 - 130				12/28/22 14:41	12/30/22 19:52	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/28/22 14:41	12/30/22 19:52	
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/31/22 10:22	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	-	49.9		mg/Kg			12/29/22 13:26	
Mothed: OM040 0045D MM Dis-	al Dance Orec								
Method: SW846 8015B NM - Dies Analyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9		mg/Kg		12/28/22 08:21	12/29/22 01:58	
(GRO)-C6-C10		5	-0.0					.2,20,22 01.00	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:58	
C10-C28)					5.5				
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:58	
Total TPH	<49.9	U	49.9		mg/Kg		12/28/22 08:21	12/29/22 01:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130				12/28/22 08:21	12/29/22 01:58	
r-Ghiorooclane	127		10 - 130				12/20/22 00.21	12/29/22 01.30	

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12/28/22 08:21 12/29/22 01:58

5

o-Terphenyl

70 - 130

112

Client Sample Results

Job ID: 880-2303	8-1
SDG: Lea County,	NM

Lab Sample ID: 880-23038-19

Project/Site: MLMU #212 Client Sample ID: SW-19

Client: Tetra Tech, Inc.

Date Collected: 12/20/22 14:00

Method: MCAWW 300.0 - Anions Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	<5.02		5.02		mg/Kg			12/30/22 02:35	
lient Sample ID: SW-20							Lab Samp	le ID: 880-23	038-20
ate Collected: 12/20/22 14:10									x: Solid
ate Received: 12/22/22 13:00									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:41	12/30/22 20:13	
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:41	12/30/22 20:13	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:41	12/30/22 20:13	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/22 14:41	12/30/22 20:13	
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:41	12/30/22 20:13	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/22 14:41	12/30/22 20:13	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				12/28/22 14:41	12/30/22 20:13	
1,4-Difluorobenzene (Surr)	108		70 - 130				12/28/22 14:41	12/30/22 20:13	
Method: TAL SOP Total BTEX - T Analyte Total BTEX		Qualifier	RL 0.00402	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/31/22 10:22	Dil Fa
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0		50.0		mg/Kg			12/29/22 13:26	
					5. 5				
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 02:19	
Diesel Range Organics (Over	<50.0		50.0		mg/Kg		12/28/22 08:21	12/29/22 02:19	
C10-C28)	400.0	0	00.0		mg/itg		12/20/22 00.21	12/20/22 02.10	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 02:19	
Total TPH	<50.0	U	50.0		mg/Kg		12/28/22 08:21	12/29/22 02:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	107		70 - 130				12/28/22 08:21	12/29/22 02:19	
o-Terphenyl	98		70 - 130				12/28/22 08:21	12/29/22 02:19	
Method: MCAWW 300.0 - Anions	. Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	<5.00	U	5.00		mg/Kg			12/30/22 02:40	
lient Sample ID: SW-21							Lab Samp	le ID: 880-23	038-2 [,]
ate Collected: 12/20/22 14:20								Matri	x: Soli
ate Received: 12/22/22 13:00									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:45	12/30/22 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:45	12/30/22 20:21	1

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Matrix: Solid

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Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-21

Client Sample ID: SW-21

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Collected: 12/20/22 14:20 Date Received: 12/22/22 13:00

4-Bromofiluorobenzene (Surr) 90 70.130 1228/22 14.45 1230/22 20.21 1,4-Difluorobenzene (Surr) 88 70.130 1228/22 14.45 1230/22 20.21 Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <.0.00401 0 0.00401 mg/Kg Prepared Analyzed Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total TPH <50.0 U 50.0 mg/Kg 12/28/22 15.03 12/28/22 02.30 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyzed Analyzed 12/28/22 02.30 12/28/22 02.30 Gasoline Range Organics (Over <50.0 U 50.0 mg/Kg 12/27/22 15.03 12/28/22 02.30 C10-C28) OI 50.0 U 50.0 mg/Kg 12/27/22 15.03 12/28/22 02.30 Surrogate */Recovery Qualifier Limits Prepared Analyzed 12/28/22 02.30 Surrogate */Recovery Qualiffier Limits P	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Sylene <0.00401	thylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:45	12/30/22 20:21	1
-xylene -0.0000 U 0.00200 mg/Kg 12/28/22 14.45 12/30/22 20.21 Surrogate 34.00401 U 0.00401 mg/Kg 12/28/22 14.45 12/30/22 20.21 Surrogate 34.00401 U 0.00401 mg/Kg 12/28/22 14.45 12/30/22 20.21 Hebmonkluonbenzene (Surr) 88 70.130 12/38/22 14.45 12/30/22 20.21 Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Iz/39/22 20.21 4.500 0.00401 0.00401 mg/Kg D Prepared Analyzed Iz/39/22 20.21 12/39/22 20.21 12/39/22 20.21 12/39/22 20.21 12/39/22 20.21 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result MDL MDL Unit D Prepared Analyzed Sasoline Range Organics (Over <50.0	-Xylene & p-Xylene	<0.00401	U	0.00401				12/28/22 14:45	12/30/22 20:21	1
Kylmes, Total <0.00401 U 0.00401 mg/Kg 12/28/22 14.45 12/30/22 20.21 Surrogate %Recovery Qualifier Limits Prepared Analyzed 1.4-Dimonobenzene (Surr) 90 70 - 130 Interpared Analyzed Interpared Analyzed 4-Dimonobenzene (Surr) 88 70 - 130 Interpared Analyzed Interpared Analyzed Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Gala TPH Result Qualifier RL MDL Unit D Prepared Analyzed Sample Result Qualifier RL MDL Unit D Prepared Analyzed Gala TPH Result Qualifier RL MDL Unit D Prepared Analyzed Sample Result Gualifier RL MDL Unit D Prepared Analyzed				0.00200				12/28/22 14:45		1
Ebromofluorobenzene (Surr) 90 70 - 130 12/28/22 14:45 12/30/22 20:21 (4-Diffuorobenzene (Surr) 88 70 - 130 12/28/22 14:45 12/30/22 20:21 Wethod: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Gal BTEX <0.00401										1
Hermonfluorobenzene (Surr) 90 70.130 12/28/22 14.45 12/30/22 20.21 1,4-Diffuorobenzene (Surr) 88 70.130 12/28/22 14.45 12/30/22 20.21 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00401	urrogate	%Recovery	Qualifier	l imits				Prenared	Analyzod	Dil Fac
1,4-Difluorobenzene (Surr) 88 70.130 1228/22 14:45 1230/22 20:21 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00401			Quanner							1
Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed fotal BTEX <0.00401										1
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00401										
Fold BTEX <0.00401 0 0.00401 mg/Kg 12/31/22 10.35 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Multimer RL MDL Unit D Prepared Analyzed Total TPH <50.0				DI	МПІ	Unit	п	Proparad	Analyzod	Dil Fac
Wethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC) MDL Unit D Prepared Analyzed Total TPH <50.0	•			·				Flepaleu		1
India TPH <50.0					MDL	Unit	D	Prepared	Analyzed	Dil Fac
Markary Result Qualifier RL MDL MDL Unit mg/Kg D Prepared 12/27/22 15:03 Analyzed 12/28/22 02:30 GR0-OG-G-C10 50.0 U 50.0 mg/Kg 12/27/22 15:03 12/28/22 02:30 GR0-OG-G-C10 0 50.0 U 50.0 mg/Kg 12/27/22 15:03 12/28/22 02:30 C10-C28) - 50.0 U 50.0 mg/Kg 12/27/22 15:03 12/28/22 02:30 DIR Ange Organics (Over C28-C36) <50.0	•									
Sasoline Range Organics GRO)-CE-C10 <50.0					MDI	Unit	P	Property	Applyzed	Dil Fac
GRO)-C6-C10 with the second secon	-									
C10-C28) Surrogate 50.0 U 50.0 mg/Kg 12/27/22 15:03 12/28/22 02:30 Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 99 70 - 130 12/27/22 15:03 12/28/22 02:30 Nethod: MCAWW 300.0 - Anions, Ion Chromatography - Soluble 12/27/22 15:03 12/28/22 02:30 Analyzed Result Qualifier RL MDL Unit D Prepared Analyzed Chloriooctane 99 70 - 130 12/27/22 15:03 12/28/22 02:30	0 0	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 02:30	1
Total TPH <50.0 U 50.0 mg/Kg 12/27/22 15:03 12/28/22 02:30 Surrogate %Recovery Qualifier Limits Prepared Analyzed 12/27/22 15:03 12/28/22 02:30 Surrogate 99 70.130 Prepared Analyzed 12/27/22 15:03 12/28/22 02:30 Op-Terphenyl 100 70.130 MDL Unit D Prepared Analyzed 12/28/22 02:30 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble MDL Unit D Prepared Analyzed 12/30/22 02:44 Chloride 49.2 4.97 MDL Unit D Prepared Analyzed 12/30/22 02:44 Lient Sample ID: SW-22 Eab Sample ID: 880-2303 Matrix: Matrix: Matrix: ate Received: 12/20/22 13:00 Matrix: Matrix: Matrix: Sw846 Result Qualifier RL MDL Unit D Prepar		<50.0	U *-	50.0		mg/Kg		12/27/22 15:03	12/28/22 02:30	1
Surrogate %Recovery Qualifier Limits 1-Chlorooctane 99 70 - 130 12/27/22 15:03 12/28/22 02:30 >-Terphenyl 100 70 - 130 12/28/22 02:30 12/28/22 02:30 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble 12/28/22 02:30 12/28/22 02:30 12/28/22 02:30 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble MDL Unit D Prepared Analyzed Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 49.2 4.97 mg/Kg D Prepared Analyzed Lient Sample ID: SW-22 4.97 mg/Kg 12/30/22 02:44 Matrix: ate Collected: 12/20/22 14:30 Matrix: Matrix: Matrix: ate Received: 12/22/22 13:00 Result Qualifier RL MDL Unit D Prepared Analyzed Ganzene <0.00199	II Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 02:30	1
In-Chlorooctane 99 70 - 130 12/27/22 15:03 12/28/22 02:30 po-Terphenyl 100 70 - 130 12/27/22 15:03 12/28/22 02:30 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble NDL Unit D Prepared Analyzed Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 49.2 4.97 mg/Kg D Prepared Analyzed Lab Sample ID: SW-22 ate Collected: 12/20/22 14:30 MEthod: SW846 8021B - Volatile Organic Compounds (GC) MDL Unit D Prepared Analyzed Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Bate Collected: 12/20/22 14:30 MEthod: SW846 8021B - Volatile Organic Compounds (GC) MDL Unit D Prepared Analyzed Genzene <0.00199	otal TPH	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 02:30	1
De-Terphenyl 100 70 - 130 12/27/22 15:03 12/28/22 02:30 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Malyte MDL Unit D Prepared Analyzed Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 49.2 4.97 MDL Unit D Prepared Analyzed Lab Sample ID: SW-22 Lab Sample ID: 880-2303 Matrix: ate Collected: 12/22/22 14:30 Matrix: Matrix: Method: SW846 8021B - Volatile Organic Compounds (GC) ML MDL Unit D Prepared Analyzed Genzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Foluene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Ethylbenzene <0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Type are <0.00398 U 0.00398 mg/Kg 12/28/22 14:45 12/30/22 20:42	urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 49.2 4.97 mg/Kg D Prepared Analyzed Lient Sample ID: SW-22 4.97 mg/Kg D Prepared Analyzed ate Collected: 12/20/22 14:30 Katrix: Matrix: Method: SW846 8021B - Volatile Organic Compounds (GC) Mol Unit D Prepared Analyzed Benzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Toluene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Ethylbenzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Toluene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Thylbenzene <0.00398 U 0.00398 mg/Kg 12/28/22 14:45	Chlorooctane	99		70 - 130				12/27/22 15:03	12/28/22 02:30	1
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 49.2 4.97 ng/Kg 12/30/22 02:44 12/30/22 02:44 lient Sample ID: SW-22 ate Collected: 12/20/22 14:30 ate Received: 12/22/22 13:00 Lab Sample ID: 880-2303 Matrix: Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199	Terphenyl	100		70 - 130				12/27/22 15:03	12/28/22 02:30	1
Chloride 49.2 4.97 mg/Kg 12/30/22 02:44 Ilient Sample ID: SW-22 ate Collected: 12/20/22 14:30 ate Received: 12/22/22 13:00 Lab Sample ID: 880-2303 Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199	lethod: MCAWW 300.0 - Anions	s, Ion Chromato	ography - So	oluble						
Lient Sample ID: SW-22 ate Collected: 12/20/22 14:30 ate Collected: 12/22/22 13:00 Lab Sample ID: 880-2303 Matrix: Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Matrix: Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199	hloride	49.2		4.97		mg/Kg			12/30/22 02:44	1
Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 20/12/30/22 20:42 Benzene <0.00199	ient Sample ID: SW-22							Lab Samp	le ID: 880-23	038-22
Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199									Matri	x: Solid
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene <0.00199										
Benzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Foluene <0.00199					MDL	Unit	D	Prepared	Analyzed	Dil Fac
foluene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 Ethylbenzene <0.00199	-									1
Ethylbenzene <0.00199 U 0.00199 mg/Kg 12/28/22 14:45 12/30/22 20:42 n-Xylene & p-Xylene <0.00398										1
n-Xylene & p-Xylene < <0.00398 U 0.00398 mg/Kg 12/28/22 14:45 12/30/22 20:42										
Xylenes, Total <0.00398 0.00398 mg/Kg 12/28/22 14:45 12/30/22 20:42										1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/28/22 14:45	12/30/22 20:42	1
1,4-Difluorobenzene (Surr)	77		70 - 130	12/28/22 14:45	12/30/22 20:42	1

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Released to Imaging: 2/5/2024 11:12:05 AM

Matrix: Solid

5

Client Sample Results

Job ID: 880-23038-1
SDG: Lea County, NM

Lab Sample ID: 880-23038-22

Client Sample ID: SW-22 Date Collected: 12/20/22 14:30

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Date Received: 12/22/22 13:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:35	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/28/22 13:33	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 03:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *-	50.0		mg/Kg		12/27/22 15:03	12/28/22 03:12	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 03:12	1
Total TPH	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/27/22 15:03	12/28/22 03:12	1
o-Terphenyl	100		70 - 130				12/27/22 15:03	12/28/22 03:12	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.67		4.99		mg/Kg			12/30/22 02:49	1

nent Sample ID: SW-23

Date Collected: 12/20/22 14:40

Date Received: 12/22/22 13:00

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		12/27/22 14:52	12/30/22 08:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:52	12/30/22 08:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:52	12/30/22 08:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/22 14:52	12/30/22 08:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:52	12/30/22 08:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/22 14:52	12/30/22 08:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/27/22 14:52	12/30/22 08:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/27/22 14:52	12/30/22 08:47	1

Method: TAL SOP Total BTEX - 1 Analyte Total BTEX		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese		ics (DRO) ((Qualifier	GC) RL	MDL	Unit	п	Prepared	Analyzed	Dil Fac
	<50.0	U	50.0		mg/Kg		Tepared	12/28/22 13:33	1

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/27/22 15:03	12/28/22 03:32	1
(GRO)-C6-C10									

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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<50.0 U*-

<50.0 U

<50.0 U

%Recovery Qualifier

96

96

9.16

Result Qualifier

Dil Fac

1

1

1

1

1

Dil Fac

Dil Fac

Client Sample Results

RL

50.0

50.0

50.0

RL

5.03

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

12/27/22 15:03

12/27/22 15:03

12/27/22 15:03

Prepared

12/27/22 15:03

12/27/22 15:03

Prepared

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Client Sample ID: SW-23

Date Collected: 12/20/22 14:40 Date Received: 12/22/22 13:00

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

SDG: Lea County, NM

Job ID: 880-23038-1

Lab Sample ID: 880-23038-23 Matrix: Solid

Analyzed

12/28/22 03:32

12/28/22 03:32

12/28/22 03:32

Analyzed

12/28/22 03:32

12/28/22 03:32

Analyzed

12/30/22 02:54

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

				Percent Surr	ogate Recove
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-22971-A-1-H MS	Matrix Spike	97	111		
880-22971-A-1-I MSD	Matrix Spike Duplicate	107	106		
880-23038-1	SW-1	113	71		
880-23038-1 MS	SW-1	95	87		
880-23038-1 MSD	SW-1	100	95		
880-23038-2	SW-2	117	105		
880-23038-3	SW-3	115	102		
880-23038-4	SW-4	110	99		
880-23038-5	SW-5	120	83		
880-23038-6	SW-6	99	63 S1-		
880-23038-7	SW-7	113	104		
880-23038-8	SW-8	118	103		
880-23038-9	SW-9	111	102		
880-23038-10	SW-10	111	104		
880-23038-11	SW-11	39 S1-	89		
880-23038-12	SW-12	114	98		
880-23038-12	SW-12 SW-13	75	90 74		
880-23038-14	SW-14	115	96		
880-23038-15	SW-15	118	101		
880-23038-16	SW-16	69 S1-	64 S1-		
880-23038-17	SW-17	117	103		
880-23038-18	SW-18	116	102		
880-23038-19	SW-19	118	76		
880-23038-20	SW-20	104	108		
880-23038-21	SW-21	90	88		
880-23038-22	SW-22	91	77		
880-23038-23	SW-23	101	106		
880-23046-A-1-E MS	Matrix Spike	99	93		
880-23046-A-1-F MSD	Matrix Spike Duplicate	101	87		
LCS 880-42736/1-A	Lab Control Sample	94	110		
LCS 880-42812/1-A	Lab Control Sample	98	93		
LCS 880-42813/1-A	Lab Control Sample	103	92		
LCSD 880-42736/2-A	Lab Control Sample Dup	95	110		
LCSD 880-42812/2-A	Lab Control Sample Dup	99	95		
LCSD 880-42813/2-A	Lab Control Sample Dup	78	98		
MB 880-42727/5-A	Method Blank	93	105		
MB 880-42736/5-A	Method Blank	93 97	105		
MB 880-42812/5-A	Method Blank	97 96			
			90		
MB 880-42813/5-A	Method Blank	78	87		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Job ID: 880-23038-1 SDG: Lea County, NM

Prep Type: Total/NA

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Job ID: 880-23038-1 SDG: Lea County, NM

Prep Type: Total/NA

Project/Site: MLMU #212 Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Client: Tetra Tech, Inc.

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-23038-1	SW-1	103	98		
880-23038-1 MS	SW-1	99	77		6
880-23038-1 MSD	SW-1	106	83		O
880-23038-2	SW-2	119	112		
880-23038-3	SW-3	124	108		
880-23038-4	SW-4	106	99		
880-23038-5	SW-5	131 S1+	115		X
880-23038-6	SW-6	103	98		
880-23038-7	SW-7	101	96		9
880-23038-8	SW-8	113	106		
880-23038-9	SW-9	96	92		
880-23038-10	SW-10	105	96		
880-23038-11	SW-11	94	85		
880-23038-12	SW-12	119	105		
880-23038-13	SW-13	130	115		
880-23038-14	SW-14	118	105		
880-23038-15	SW-15	106	97		
880-23038-16	SW-16	124	109		
880-23038-17	SW-17	114	104		
880-23038-18	SW-18	120	110		
880-23038-19	SW-19	127	112		
880-23038-20	SW-20	107	98		
880-23038-21	SW-21	99	100		
880-23038-22	SW-22	98	100		
880-23038-23	SW-23	96	96		
890-3702-A-10-D MS	Matrix Spike	104	95		
890-3702-A-10-E MSD	Matrix Spike Duplicate	89	81		
LCS 880-42738/2-A	Lab Control Sample	87	92		
LCS 880-42762/2-A	Lab Control Sample	111	108		
LCSD 880-42738/3-A	Lab Control Sample Dup	92	99		
LCSD 880-42762/3-A	Lab Control Sample Dup	102	112		
MB 880-42738/1-A	Method Blank	89	92		
MB 880-42762/1-A	Method Blank	103	105		
Surrogate Legend					

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Tetra Tech, Inc.

QC Sample Results

Job ID: 880-23038-1 SDG: Lea County, NM

Project/Site: MLMU #212 Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4272	27/5-A									Client Sa	mple ID: Meth	od Blar
Matrix: Solid											Prep Type:	Total/N
Analysis Batch: 42843											Prep Bate	ch: 4272
		MB										
Analyte		Qualifier			MDL	Unit		<u>D</u>		repared	Analyzed	Dil F
Benzene	<0.00200		0.00200			mg/Kg				8/22 14:29	12/29/22 13:27	
Toluene	<0.00200		0.00200			mg/Kg				8/22 14:29	12/29/22 13:27	
Ethylbenzene	<0.00200		0.00200			mg/Kg			12/2	8/22 14:29	12/29/22 13:27	
m-Xylene & p-Xylene	<0.00400		0.00400			mg/Kg	1		12/2	8/22 14:29	12/29/22 13:27	
o-Xylene	<0.00200	U	0.00200			mg/Kg	1		12/2	8/22 14:29	12/29/22 13:27	
Xylenes, Total	<0.00400	U	0.00400			mg/Kg	1		12/2	8/22 14:29	12/29/22 13:27	
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	93		70 - 130						12/2	8/22 14:29	12/29/22 13:27	
1,4-Difluorobenzene (Surr)	105		70 - 130						12/2	8/22 14:29	12/29/22 13:27	
Lab Sample ID: MB 880-4273	36/5-A									Client Sa	mple ID: Meth	od Blar
Matrix: Solid											Prep Type:	
Analysis Batch: 42843											Prep Bate	
,	МВ	МВ										
Analyte	Result	Qualifier	RL		MDL	Unit		D	Р	repared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200			mg/Kg	1	_		7/22 14:52	12/30/22 01:02	
Toluene	<0.00200	U	0.00200			mg/Kg			12/2	7/22 14:52	12/30/22 01:02	
Ethylbenzene	<0.00200		0.00200			mg/Kg				7/22 14:52	12/30/22 01:02	
m-Xylene & p-Xylene	<0.00400		0.00400			mg/Kg				7/22 14:52	12/30/22 01:02	
o-Xylene	< 0.00200		0.00200			mg/Kg				7/22 14:52	12/30/22 01:02	
Xylenes, Total	< 0.00400		0.00400			mg/Kg				7/22 14:52	12/30/22 01:02	
						0 0						
Surrogata	MB % Basayany	MB	Limito							roporod	Analyzad	
Surrogate	%Recovery 97	Qualifier	Limits 70 - 130							repared 7/22 14:52	Analyzed 12/30/22 01:02	Dil F
4-Bromofluorobenzene (Surr)												
1,4-Difluorobenzene (Surr)	106		70 - 130						12/2	7/22 14:52	12/30/22 01:02	
Lab Sample ID: LCS 880-427	'36/1-A							С	lient	Sample	D: Lab Contro	I Samp
Matrix: Solid											Prep Type:	Total/N
Analysis Batch: 42843											Prep Bate	h: 427:
			Spike	LCS	LCS						%Rec	
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.1017			mg/Kg			102	70 - 130	
Toluene			0.100	0.09127			mg/Kg			91	70 - 130	
Ethylbenzene			0.100	0.08777			mg/Kg			88	70 - 130	
m-Xylene & p-Xylene			0.200	0.1797			mg/Kg			90	70 - 130	
o-Xylene			0.100	0.08649			mg/Kg			86	70 - 130	
	LCS LCS	;										
Surrogate	%Recovery Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	94		70 - 130									
1,4-Difluorobenzene (Surr)	110		70 - 130									
Lab Sample ID: LCSD 880-42	2736/2-A						Cli	ent	Sam	ple ID: La	ab Control Sar	nple Di
Matrix: Solid							•11				Prep Type:	
Analysis Batch: 42843											Prep Bate	
Anarysis Butoll. 72070			Spike	LCSD	LCS	D					%Rec	RI
			opino	2000	200	-						
Analyte			Added	Result	Oue	lifier	Unit		D	%Rec	Limits RF	'D Lir

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

Lab Sample ID: LCSD 880-4	42736/2-A					Clie	ent Sam	ple ID: I	Lab Contro		
Matrix: Solid										Туре: То	
Analysis Batch: 42843									Prep	Batch:	
			Spike	LCSD	LCSD				%Rec		RPI
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.08590		mg/Kg		86	70 - 130	6	3
Ethylbenzene			0.100	0.08224		mg/Kg		82	70 - 130	7	3
m-Xylene & p-Xylene			0.200	0.1701		mg/Kg		85	70 - 130	6	3
o-Xylene			0.100	0.08304		mg/Kg		83	70 - 130	4	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								
Lab Sample ID: 880-22971-/	A-1-H MS							Client	Sample ID	: Matrix	Spik
Matrix: Solid										Type: To	
Analysis Batch: 42843										Batch:	
·····	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	< 0.00202	U	0.0998	0.09104		mg/Kg		91	70 - 130		
Toluene	<0.00202	U	0.0998	0.08327		mg/Kg		83	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.08184		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1697		mg/Kg		84	70 - 130		
o-Xylene	<0.00202	U	0.0998	0.08106		mg/Kg		80	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	111		70 - 130								
Lab Sample ID: 880-22971-/	A-1-I MSD					c	lient Sa	mple ID): Matrix Sp	oike Dup	olicate
Matrix: Solid										Гуре: То	
Analysis Batch: 42843										Batch:	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.08095		mg/Kg		81	70 - 130	12	35
Toluene	<0.00202	U	0.100	0.08157		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.100	0.08407		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1740		mg/Kg		86	70 - 130	2	35
o-Xylene	<0.00202	U	0.100	0.08447		mg/Kg		83	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-42812/5-A Matrix: Solid Analysis Batch: 42924

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 12/28/22 14:41 12/30/22 11:13 mg/Kg 1 Toluene <0.00200 U 0.00200 mg/Kg 12/28/22 14:41 12/30/22 11:13 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/28/22 14:41 12/30/22 11:13 1 m-Xylene & p-Xylene <0.00400 U 0.00400 12/28/22 14:41 12/30/22 11:13 mg/Kg 1

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Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42812

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: MB 880-42812/5-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 42924 Prep Batch: 42812 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac o-Xylene < 0.00200 U 0.00200 12/28/22 14:41 12/30/22 11:13 mg/Kg 1 Xylenes, Total <0.00400 U 0.00400 mg/Kg 12/28/22 14:41 12/30/22 11:13 1 MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 12/28/22 14:41 4-Bromofluorobenzene (Surr) 96 70 - 130 12/30/22 11:13 1 1,4-Difluorobenzene (Surr) 90 70 - 130 12/28/22 14:41 12/30/22 11:13 1 Lab Sample ID: LCS 880-42812/1-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 42924 Prep Batch: 42812 LCS LCS Spike %Rec Analyte Added **Result Qualifier** Unit D %Rec Limits Benzene 0.100 0.1019 102 70 - 130 mg/Kg Toluene 0.100 0.09987 mg/Kg 100 70 - 130 Ethylbenzene 0.100 0.09433 mg/Kg 94 70 - 130 m-Xylene & p-Xylene 0.200 0.2114 70 - 130 mg/Kg 106 o-Xylene 0.100 0.1042 mg/Kg 104 70 - 130 LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 98 70 - 130 93 70 - 130 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-42812/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 42924

Analysis Batch: 42924							Prep	Batch:	42812
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1080		mg/Kg		108	70 - 130	6	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.09631		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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Lab Sample ID: 880-23038-1 MS Matrix: Solid Analysis Batch: 42924

Analysis Batch: 42924									Prep	Batch: 42812
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.08874		mg/Kg		89	70 - 130	
Toluene	<0.00200	U	0.0998	0.08861		mg/Kg		89	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.08211		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1815		mg/Kg		91	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.08849		mg/Kg		88	70 - 130	

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Prep Type: Total/NA

Client Sample ID: SW-1

Prep Type: Total/NA

Client: Tetra Tech, Inc. Project/Site: MLMU #212

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

Lab Sample ID: 880-23038-1 MS Matrix: Solid

Analysis Batch: 42924

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-23038-1 MSD Matrix: Solid

Analysis Batch: 42924

								Prep	Batch:	42812
Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
<0.00200	U	0.0990	0.09316		mg/Kg		94	70 - 130	5	35
<0.00200	U	0.0990	0.09087		mg/Kg		92	70 - 130	3	35
<0.00200	U	0.0990	0.08657		mg/Kg		87	70 - 130	5	35
<0.00401	U	0.198	0.1919		mg/Kg		97	70 - 130	6	35
<0.00200	U	0.0990	0.09371		mg/Kg		94	70 - 130	6	35
	Result <0.00200	Sample Sample Result Qualifier <0.00200	Result Qualifier Added <0.00200	Result Qualifier Added Result <0.00200	Result Qualifier Added Result Qualifier <0.00200	Result Qualifier Added Result Qualifier Unit <0.00200	Result Qualifier Added Result Qualifier Unit D <0.00200	Result Qualifier Added Result Qualifier Unit D %Rec <0.00200	Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00200	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.00200

	10/30	WISD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

MB MB

87

Lab Sample ID: MB 880-42813/5-A Matrix: Solid Analysis Batch: 42923

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 12/28/22 14:45 12/30/22 11:56 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg 12/28/22 14:45 12/30/22 11:56 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/28/22 14:45 12/30/22 11:56 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 12/28/22 14:45 12/30/22 11:56 o-Xylene <0.00200 U 0.00200 mg/Kg 12/28/22 14:45 12/30/22 11:56 Xylenes, Total <0.00400 U 0.00400 mg/Kg 12/28/22 14:45 12/30/22 11:56 MB MB Qualifier %Recovery Limits Prepared Analyzed Dil Fac Surrogate 78 70 - 130 12/28/22 14:45 12/30/22 11:56 4-Bromofluorobenzene (Surr)

70 - 130

1,4-Difluorobenzene (Surr)

Lab Sample ID: LCS 880-42813/1-A Matrix: Solid Analysis Batch: 42923

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.09811		mg/Kg		98	70 - 130	
Toluene			0.100	0.08936		mg/Kg		89	70 - 130	
Ethylbenzene			0.100	0.08775		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene			0.200	0.1858		mg/Kg		93	70 - 130	
o-Xylene			0.100	0.09609		mg/Kg		96	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)			70 - 130							

- D. 000 00000 4	

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Job ID: 880-23038-1 SDG: Lea County, NM

Client Sample ID: SW-1

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 42812

1

1

1

1

1

1

1

1

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 42813

12/30/22 11:56

Prep Type: Total/NA

Prep Batch: 42813

Client Sample ID: Lab Control Sample

12/28/22 14:45

Client: Tetra Tech, Inc. Project/Site: MLMU #212

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

Lab Sample ID: LCS 880-4281	3/1 -A						Clien	t Sample	ID: Lab Co		
Matrix: Solid										Type: To	
Analysis Batch: 42923									Prep	Batch:	42813
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,4-Difluorobenzene (Surr)	92		70 - 130								
_ Lab Sample ID: LCSD 880-428	13/2-4					Clie	nt San	nlo ID: I	Lab Contro	l Samni	
Matrix: Solid	13/2-A					Cile	nt San			Type: To	
Analysis Batch: 42923										Batch:	
Analysis Datch. 42020			Spike	LCSD	LCSD				%Rec	Daten.	RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1124	quamor	mg/Kg		112	70 - 130	14	35
Toluene			0.100	0.09152		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.07731		mg/Kg		77	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1539		mg/Kg		77	70 - 130	10	35
o-Xylene			0.200	0.07760		mg/Kg		78	70 - 130 70 - 130	21	35
			0.100	0.01100				10	10-100	21	00
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	78		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								
- Lab Sample ID: 880-23046-A-1	-F MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Гуре: То	
Analysis Batch: 42923										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	-	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201		0.101	0.1065		mg/Kg		106	70 - 130		
Toluene	<0.00201		0.101	0.09443		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00201		0.101	0.08587		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene	<0.00402		0.202	0.1805		mg/Kg		90	70 - 130		
o-Xylene	<0.00201		0.101	0.09083		mg/Kg		90	70 - 130		
2						0 0					
	MS										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								
Lab Sample ID: 880-23046-A-1	-F MSD					CI	ient S	ample IC): Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 42923									Prep	Batch:	42813
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.08544		mg/Kg		86	70 - 130	22	35
Toluene	<0.00201	U	0.0990	0.08757		mg/Kg		88	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0990	0.07895		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1678		mg/Kg		85	70 - 130	7	35
o-Xylene	<0.00201	U	0.0990	0.08432		mg/Kg		85	70 - 130	7	35
	MSD	MSD									

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

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Job ID: 880-23038-1

SDG: Lea County, NM

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Job ID: 880-23038-1 SDG: Lea County, NM

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

Materia: Oallal	/1- A								chent Sa	mple ID: M		
Matrix: Solid										Prep Ty		
Analysis Batch: 42636										Prep E	Batch:	42738
A 1. 4-		B MB				11 14	_	_		A		D!! E-
Analyte		t Qualifier			MDL		<u>D</u>		repared	Analyze		Dil Fa
Gasoline Range Organics	<50.	0 U	50.0			mg/Kg		12/2	7/22 15:03	12/27/22 21	:39	
(GRO)-C6-C10 Diesel Range Organics (Over	<50	0 U	50.0			mg/Kg		12/2	7/22 15:03	12/27/22 21	.30	
C10-C28)	<00.	0 0	50.0			ing/itg		12/2	1122 10.00		.00	
Oll Range Organics (Over C28-C36)	<50.	0 U	50.0			mg/Kg		12/2	7/22 15:03	12/27/22 21	:39	
Total TPH	<50.	0 U	50.0			mg/Kg		12/2	7/22 15:03	12/27/22 21	:39	
						5 5						
	М	B <i>MB</i>										
Surrogate	%Recover	y Qualifier	Limits					P	repared	Analyze	d	Dil Fa
1-Chlorooctane	8	9	70 - 130					12/2	7/22 15:03	12/27/22 21	:39	
o-Terphenyl	g	2	70 - 130					12/2	7/22 15:03	12/27/22 21	:39	
Lab Sample ID: LCS 880-4273	8/2-A						С	lient	Sample I	D: Lab Cor	ntrol S	ample
Matrix: Solid										Prep Ty	pe: To	otal/N/
Analysis Batch: 42636										Prep E	Batch:	4273
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Quali	fier Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	716.5		mg/Kg			72	70 - 130		
(GRO)-C6-C10												
Diesel Range Organics (Over			1000	676.5	*-	mg/Kg			68	70 - 130		
C10-C28)												
	LCS LC	s										
Surrogate	LCS LC %Recovery Q		Limits									
Surrogate	%Recovery Qu	S Ialifier	Limits									
1-Chlorooctane	%Recovery 87		70 - 130									
-	%Recovery Qu											
1-Chlorooctane o-Terphenyl	%Recovery 92		70 - 130			с	lient	Sam	nple ID: La	ab Control	Samp	le Dur
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427	%Recovery 92		70 - 130			с	lient	Sam	ıple ID: La	ab Control Pren Tv		
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid	%Recovery 92		70 - 130			с	lient	Sam	iple ID: La	Prep Ty	pe: To	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427	%Recovery 92		70 - 130 70 - 130	LCSD	LCSE		lient	Sam	iple ID: La	Prep Ty Prep E	pe: To	otal/NA 42738
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636	%Recovery 92		70 - 130 70 - 130 Spike	LCSD		,	lient		-	Prep Ty Prep E %Rec	pe: To Batch:	otal/NA 42738 RPE
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte	%Recovery 92		70 - 130 70 - 130 Spike Added	Result) fier Unit	lient	Sam	%Rec	Prep Ty Prep E %Rec Limits	pe: To Batch: RPD	otal/NA 42738 RPI Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics	%Recovery 92		70 - 130 70 - 130 Spike			,	lient		-	Prep Ty Prep E %Rec	pe: To Batch:	otal/NA 42738 RPI Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 92		70 - 130 70 - 130 Spike Added 1000	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	42738 42738 RPE Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 92		70 - 130 70 - 130 Spike Added	Result) fier Unit	lient		%Rec	Prep Ty Prep E %Rec Limits	pe: To Batch: RPD	42738 42738 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10	<u>%Recovery</u> <u>Q</u> 87 92 38/3-A	alifier	70 - 130 70 - 130 Spike Added 1000	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	42738 42738 RPE Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<u>%Recovery</u> <u>Qu</u> 87 92 38/3-A 	ssD	70 - 130 70 - 130 Spike Added 1000	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	42738 42738 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery Qu 87 92 38/3-A	alifier	70 - 130 70 - 130 Spike Added 1000 1000	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	42738 42738 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: To Batch: RPD 5	42738 42738 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130	pe: To Batch: RPD 5 7	42738 42738 RPE Limi 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7	42738 42738 RPE Limi 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10 Matrix: Solid	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 42738 RPI Limi 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10	%Recovery Qu 87 92 38/3-A	ssD	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0		f <mark>ier Unit</mark> mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 RPE Limi 20 20 Spike
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10 Matrix: Solid	%Recovery Qu 87 92 38/3-A	SD salifier	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130	Result 750.0 723.4		f <mark>ier Unit</mark> mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 42738 RPI Limi 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10 Matrix: Solid	<u>%Recovery</u> <u>Qu</u> 92 38/3-A <u>LCSD</u> <u>LC</u> <u>%Recovery</u> <u>Qu</u> 92 99	nalifier	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 750.0 723.4	Quali	<mark>fier Unit</mark> mg/Kg mg/Kg	lient		%Rec 75 72	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 RPE Limi 20 20 Spike
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10 Matrix: Solid Analysis Batch: 42636	%Recovery Qu 87 92 38/3-A	nalifier	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 750.0 723.4 MS	Quali	<mark>fier Unit</mark> mg/Kg mg/Kg	lient	_ <u>D</u>	%Rec 75 72 Client S	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 RPE Limi 20 20 Spike
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42636 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3702-A-10 Matrix: Solid Analysis Batch: 42636	%Recovery Qu 87 92 38/3-A - LCSD LC %Recovery Qu 92 - %Recovery Qu 92 - 99 - D-D MS Sample Result Qu	nalifier	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130	Result 750.0 723.4 MS Result	Quali	fier Unit mg/Kg mg/Kg	lient	_ <u>D</u>	%Rec 75 72 Client S	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	pe: To Batch: RPD 5 7 7 Matrix pe: To	42738 RPE Limi 20 20 Spike

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o-Terphenyl

Project/Site: MLMU #212													SDG: Lea	a Coun	ty, NM	2
Method: 8015B NM - Dies	sel Range Oı	rgan	ics (DR	(GC)) (Con	tinue	ed)									
Lab Sample ID: 890-3702-A- Matrix: Solid Analysis Batch: 42636	10-D MS											Client S	Sample ID: Prep Ty Prep		tal/NA	4
	MS	MS														5
Surrogate	%Recovery		ifier	Limits												
1-Chlorooctane				70 - 130	-											
o-Terphenyl	95			70 - 130												7
Lab Sample ID: 890-3702-A-	10-E MSD								(Clie	nt Sa	mple ID:	: Matrix Spi	ike Duj	olicate	1
Matrix: Solid													Prep Ty	ype: To	tal/NA	8
Analysis Batch: 42636													Prep	Batch:	42738	
	Sample	Samr	ble	Spike		MSD	MSD	i.					%Rec		RPD	9
Analyte	Result	Quali	fier	Added	!	Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U		999		1034			mg/Kg			100	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	<49.9	U *-		999		833.6			mg/Kg			83	70 - 130	16	20	
	MSD	MSD														
Surrogate	%Recovery	Quali	ifier	Limits												
1-Chlorooctane	89			70 - 130												
o-Terphenyl	81			70 - 130												13
Lab Sample ID: MB 880-427	62/1-A										(Client Sa	ample ID: N	/lethod	Blank	
Matrix: Solid													Prep Ty	ype: To	tal/NA	
Analysis Batch: 42771													Prep	Batch:	42762	
		MB	МВ													
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Pr	epared	Analyze	}d	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<	<50.0	U		50.0			mg/Kg			12/28	3/22 08:21	12/28/22 1	7:06	1	
Diesel Range Organics (Over C10-C28)	<	<50.0	U		50.0			mg/Kg			12/28	3/22 08:21	12/28/22 1	7:06	1	

Surrogate 1-Chlorooctane	% Recovery 103	Qualifier	Limits 70 - 130		Prepared 12/28/22 08:21	Analyzed	Dil Fac
	MB	МВ					
Total TPH	<50.0	U	50.0	mg/Kg	12/28/22 08:21	12/28/22 17:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	12/28/22 08:21	12/28/22 17:06	1
C10-C28)				0 0			

70 - 130

Lab Sample ID: LCS 880-42762/2-A Matrix: Solid

Analysis Batch: 42771

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	781.4		mg/Kg		78	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	970.4		mg/Kg		97	70 - 130	
C10-C28)								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	108		70 - 130

105

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 42762

12/28/22 08:21 12/28/22 17:06

Eurofins	Midland

Job ID: 880-23038-1

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

Lab Sample ID: LCSD 880-42	762/3-A					Clie	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 42771									Prep	Batch:	42762
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	835.9		mg/Kg		84	70 - 130	7	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1014		mg/Kg		101	70 - 130	4	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	112		70 - 130								
Lab Sample ID: 880-23038-1	MS								Client Sar	nnie ID:	SW-4
Matrix: Solid											
										Type: To	
Analysis Batch: 42771	0	0	Orailan							Batch:	42/02
	-	Sample	Spike		MS		_		%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	984.3		mg/Kg		95	70 - 130		
Diesel Range Organics (Over	<49.9	U	999	959.5		mg/Kg		96	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	77		70 - 130								
Lab Sample ID: 880-23038-1	MSD								Client Sar	mple ID:	SW-1
Matrix: Solid										Type: To	
Analysis Batch: 42771										Batch:	
· ·····, · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	-	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9		999	1044		mg/Kg		101	70 - 130	6	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	999	1010		mg/Kg		101	70 - 130	5	20
C10-C28)											
	MSD	MSD									
		Qualifian	Limits								
Surrogate	%Recovery	Qualifier	Linits								
Surrogate 1-Chlorooctane	%Recovery 106	Quaimer	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42707/1-A Matrix: Solid Analysis Batch: 42806							Client Sa	ample ID: Metho Prep Type:	
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/29/22 16:53	1

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Job ID: 880-23038-1 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Solid)7/2-A						Clier	nt Sample	D: Lab Co		
									Prep	Type: S	oluble
Analysis Batch: 42806			•						a. -		
			Spike		LCS		_	a	%Rec		
Analyte			Added		Qualifier	Unit	D		Limits		
Chloride			250	255.7		mg/Kg		102	90 - 110		
- Lab Sample ID: LCSD 880-427	707/3-A					Cli	ent Sa	mple ID:	Lab Control	l Sampl	e Dup
Matrix: Solid										Type: S	
Analysis Batch: 42806											
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	256.8		mg/Kg		103	90 - 110	0	20
_ Lab Sample ID: 880-23030-A- [,]	12-D MS							Client	Sample ID:	Matrix	Spike
Matrix: Solid										Type: S	
Analysis Batch: 42806										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0101010
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Chloride		F1 F2	1260	1224	-	mg/Kg		86	90 - 110		
-											
Lab Sample ID: 880-23030-A-	12-E MSD						Client S	Sample IC	D: Matrix Sp		
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 42806	Comula	Camala	Calles	MOD	MOD				% Dee		000
• • •		Sample	Spike		MSD		_	a/ 5	%Rec		RPD
Analyte Chloride		Qualifier	Added 1260		Qualifier F1 F2	_ Unit mg/Kg	D	%Rec 112	Limits 90 - 110		Limit 20
Chionae	144	1112	1200	1550	1112	mg/rtg		112	90 - 110	24	20
-											
- - I ab Sample ID: MB 880-42708	R/1-Δ							Client S	Sample ID: N	Method	Blank
Lab Sample ID: MB 880-42708 Matrix: Solid	8/1-A							Client S	Sample ID: M		
Matrix: Solid	8/1-A							Client S		Method Type: S	
	8/1- A	MB MB						Client S			
Matrix: Solid Analysis Batch: 42809		MB MB esult Qualifier		RL	MDL Unit		D		Prep	Type: S	oluble
Matrix: Solid	R			RL 5.00	MDL Unit		<u>D</u>	Client S		Type: So	
Matrix: Solid Analysis Batch: 42809 Analyte	R	esult Qualifier				(g	<u>D</u>		Prep Analyze	Type: So	oluble Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte	R	esult Qualifier				(g		Prepared	Prep Analyze	Type: S o ed 00:33	oluble Dil Fac 1
Matrix: Solid Analysis Batch: 42809 Analyte Chloride	R	esult Qualifier				<u>ça</u>		Prepared	Analyze 12/30/22 0 D: Lab Co	Type: S o ed 00:33	Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270	R	esult Qualifier				(g		Prepared	Analyze 12/30/22 0 D: Lab Co	Type: So ed 00:33 -	Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid	R	esult Qualifier	Spike	5.00		ζg		Prepared	Analyze 12/30/22 0 D: Lab Co	Type: So ed 00:33 -	Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid	R	esult Qualifier	Spike Added	5.00 LCS	mg/K	(g Unit		Prepared	Analyza 12/30/22 0 Prep 1 Prep 1	Type: So ed 00:33 -	Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809	R	esult Qualifier	-	5.00 LCS	LCS	-	Clier	Prepared	Analyze 12/30/22 0 E ID: Lab Co Prep 7 %Rec	Type: So ed 00:33 -	Dil Fac
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride	R	esult Qualifier	Added	5.00 LCS Result	LCS	Unit mg/Kg	Clier	Prepared nt Sample <u>%Rec</u> 100	Analyze 12/30/22 0 e ID: Lab Co Prep 7 %Rec Limits 90 - 110	Type: S ed 00:33 - ontrol S Type: S	Dil Fac 1 ample oluble
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427	R	esult Qualifier	Added	5.00 LCS Result	LCS	Unit mg/Kg	Clier	Prepared nt Sample <u>%Rec</u> 100	Analyze 12/30/22 0 EID: Lab Co Prep 1 %Rec Limits 90 - 110 Lab Control	Type: S ed 00:333 - ontrol S Type: S 	oluble <u>Dil Fac</u> 1 ample oluble le Dup
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid	R	esult Qualifier	Added	5.00 LCS Result	LCS	Unit mg/Kg	Clier	Prepared nt Sample <u>%Rec</u> 100	Analyze 12/30/22 0 EID: Lab Co Prep 1 %Rec Limits 90 - 110 Lab Control	Type: S ed 00:33 - ontrol S Type: S	oluble <u>Dil Fac</u> 1 ample oluble le Dup
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427	R	esult Qualifier	Added 250	5.00 LCS Result 250.4	LCS Qualifier	Unit mg/Kg	Clier	Prepared nt Sample <u>%Rec</u> 100	Analyze 12/30/22 0 Prep 1 %Rec Limits 90 - 110 Prep 1	Type: S ed 00:333 - ontrol S Type: S 	Dil Fac 1 ample oluble
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809	R	esult Qualifier	Added 250 Spike	5.00 LCS Result 250.4	LCS Qualifier	Unit mg/Kg Cli	Clier D	Prepared of Sample <u>%Rec</u> 100 mple ID:	Analyze 12/30/22 0 2 ID: Lab Co Prep 1 %Rec Limits 90 - 110 Lab Control Prep 1 %Rec	Type: S ed 00:33 - ontrol S Type: S I Sampl Type: S	oluble Dil Fac 1 ample oluble le Dup oluble RPD
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid	R	esult Qualifier	Added 250	5.00 LCS Result 250.4	LCS Qualifier	Unit mg/Kg	Clier	Prepared of Sample <u>%Rec</u> 100 mple ID:	Analyze 12/30/22 0 Prep 1 %Rec Limits 90 - 110 Prep 1	Type: S ed 00:333 - ontrol S Type: S 	Dil Fac 1 ample oluble
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809 Analyte Chloride	R 08/2-A 708/3-A	esult Qualifier	Added 250 Spike Added	5.00 LCS Result 250.4 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clier D	Prepared t Sample %Rec 100 mple ID: %Rec	Analyze 12/30/22 0 2 ID: Lab Co Prep 1 %Rec Limits 90 - 110 Kec Limits 90 - 110 %Rec Limits 90 - 110	Type: Si ed 00:33 - ontrol Si Type: Si I Sampl Type: Si I Sampl Type: Si 0	Dil Fac 1 ample oluble ele Dup oluble RPD Limit 20
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809 Analysis Batch: 42809 Analyte Chloride Lab Sample ID: 880-23038-4 M	R 08/2-A 708/3-A	esult Qualifier	Added 250 Spike Added	5.00 LCS Result 250.4 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clier D	Prepared t Sample %Rec 100 mple ID: %Rec	Analyze 12/30/22 0 Prep 7 %Rec Limits 90 - 110 KRec Limits 90 - 110 Client San	Type: Si ed 00:333 - ontrol Si Type: Si I Sampl Type: Si 	oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit 20 5 SW-4
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: 880-23038-4 M Matrix: Solid	R 08/2-A 708/3-A	esult Qualifier	Added 250 Spike Added	5.00 LCS Result 250.4 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clier D	Prepared t Sample %Rec 100 mple ID: %Rec	Analyze 12/30/22 0 Prep 7 %Rec Limits 90 - 110 KRec Limits 90 - 110 Client San	Type: Si ed 00:33 - ontrol Si Type: Si I Sampl Type: Si I Sampl Type: Si 0	oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit 20 5 SW-4
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: 880-23038-4 M	R 08/2-A 708/3-A 	esult Qualifier U	Added 250 Spike Added 250	5.00 LCS Result 250.4 LCSD Result 251.4	LCS Qualifier LCSD Qualifier	Unit mg/Kg Cli	Clier D	Prepared t Sample %Rec 100 mple ID: %Rec	Analyze 12/30/22 0 D: Lab Co Prep 7 %Rec Limits 90 - 110 Lab Control Prep 7 %Rec Limits 90 - 110 Client San Prep 7	Type: Si ed 00:333 - ontrol Si Type: Si I Sampl Type: Si 	oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit 20 5 SW-4
Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCS 880-4270 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: LCSD 880-427 Matrix: Solid Analysis Batch: 42809 Analyte Chloride Lab Sample ID: 880-23038-4 M Matrix: Solid	R 08/2-A 708/3-A VIS Sample	esult Qualifier U	Added 250 Spike Added	5.00 LCS Result 250.4 LCSD Result 251.4	LCS Qualifier	Unit mg/Kg Cli	Clier D	Prepared t Sample <u>%Rec</u> 100 mple ID: <u>%Rec</u> 101	Analyze 12/30/22 0 Prep 7 %Rec Limits 90 - 110 KRec Limits 90 - 110 Client San	Type: Si ed 00:333 - ontrol Si Type: Si I Sampl Type: Si 	oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit 20 5 SW-4

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Job ID: 880-23038-1 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23038-4 MSD									Client Sa	mple ID:	SW-4
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 42809											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	6.49		250	261.1		mg/Kg		102	90 - 110	0	20
Lab Sample ID: 880-23038-14 MS									Client Sam	ple ID: S	SW-14
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 42809											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	128	F1	248	380.3		mg/Kg		102	90 - 110		
Lab Sample ID: 880-23038-14 MSD									Client Sam	ple ID: S	SW-14
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 42809											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Client: Tetra Tech, Inc. Project/Site: MLMU #212 Job ID: 880-23038-1

SDG: Lea County, NM

GC VOA

Prep Batch: 42727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42727/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 42736					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-23	SW-23	Total/NA	Solid	5035	
MB 880-42736/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42736/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42736/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22971-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-22971-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
rep Batch: 42812					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-1	SW-1	Total/NA	Solid	5035	
880-23038-2	SW-2	Total/NA	Solid	5035	
880-23038-3	SW-3	Total/NA	Solid	5035	
880-23038-4	SW-4	Total/NA	Solid	5035	
880-23038-5	SW-5	Total/NA	Solid	5035	
880-23038-6	SW-6	Total/NA	Solid	5035	
880-23038-7	SW-7	Total/NA	Solid	5035	
880-23038-8	SW-8	Total/NA	Solid	5035	
880-23038-9	SW-9	Total/NA	Solid	5035	
880-23038-10	SW-10	Total/NA	Solid	5035	
880-23038-11	SW-11	Total/NA	Solid	5035	
880-23038-12	SW-12	Total/NA	Solid	5035	
880-23038-13	SW-13	Total/NA	Solid	5035	
880-23038-14	SW-14	Total/NA	Solid	5035	
880-23038-15	SW-15	Total/NA	Solid	5035	
880-23038-16	SW-16	Total/NA	Solid	5035	
880-23038-17	SW-17	Total/NA	Solid	5035	
880-23038-18	SW-18	Total/NA	Solid	5035	
880-23038-19	SW-19	Total/NA	Solid	5035	
880-23038-20	SW-20	Total/NA	Solid	5035	
MB 880-42812/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42812/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42812/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23038-1 MS	SW-1	Total/NA	Solid	5035	

880-23038-1 MSD Prep Batch: 42813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-21	SW-21	Total/NA	Solid	5035	
880-23038-22	SW-22	Total/NA	Solid	5035	
MB 880-42813/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42813/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42813/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23046-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-23046-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Total/NA

Solid

5035

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SW-1

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Job ID: 880-23038-1 SDG: Lea County, NM

GC VOA

Analysis Batch: 42843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-23	SW-23	Total/NA	Solid	8021B	42736
MB 880-42727/5-A	Method Blank	Total/NA	Solid	8021B	42727
MB 880-42736/5-A	Method Blank	Total/NA	Solid	8021B	42736
LCS 880-42736/1-A	Lab Control Sample	Total/NA	Solid	8021B	42736
LCSD 880-42736/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42736
880-22971-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	42736
880-22971-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42736

Analysis Batch: 42923

880-22971-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42736	
Analysis Batch: 42923						8
Lab Sample ID 880-23038-21	Client Sample ID SW-21	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 42813	9
880-23038-22	SW-22	Total/NA	Solid	8021B	42813	
MB 880-42813/5-A	Method Blank	Total/NA	Solid	8021B	42813	
LCS 880-42813/1-A	Lab Control Sample	Total/NA	Solid	8021B	42813	
LCSD 880-42813/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42813	
880-23046-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	42813	
880-23046-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42813	
Analysis Batch: 42924						13
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-23038-1	S\M/_1	Total/NA	Solid	8021B	/2812	

Analysis Batch: 42924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-1	SW-1	Total/NA	Solid	8021B	42812
880-23038-2	SW-2	Total/NA	Solid	8021B	42812
880-23038-3	SW-3	Total/NA	Solid	8021B	42812
880-23038-4	SW-4	Total/NA	Solid	8021B	42812
880-23038-5	SW-5	Total/NA	Solid	8021B	42812
880-23038-6	SW-6	Total/NA	Solid	8021B	42812
880-23038-7	SW-7	Total/NA	Solid	8021B	42812
880-23038-8	SW-8	Total/NA	Solid	8021B	42812
880-23038-9	SW-9	Total/NA	Solid	8021B	42812
880-23038-10	SW-10	Total/NA	Solid	8021B	42812
880-23038-11	SW-11	Total/NA	Solid	8021B	42812
880-23038-12	SW-12	Total/NA	Solid	8021B	42812
880-23038-13	SW-13	Total/NA	Solid	8021B	42812
880-23038-14	SW-14	Total/NA	Solid	8021B	42812
880-23038-15	SW-15	Total/NA	Solid	8021B	42812
880-23038-16	SW-16	Total/NA	Solid	8021B	42812
880-23038-17	SW-17	Total/NA	Solid	8021B	42812
880-23038-18	SW-18	Total/NA	Solid	8021B	42812
880-23038-19	SW-19	Total/NA	Solid	8021B	42812
880-23038-20	SW-20	Total/NA	Solid	8021B	42812
MB 880-42812/5-A	Method Blank	Total/NA	Solid	8021B	42812
LCS 880-42812/1-A	Lab Control Sample	Total/NA	Solid	8021B	42812
LCSD 880-42812/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42812
880-23038-1 MS	SW-1	Total/NA	Solid	8021B	42812
880-23038-1 MSD	SW-1	Total/NA	Solid	8021B	42812

Analysis Batch: 42982

Lab Sample ID 880-23038-1	Client Sample ID SW-1	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
880-23038-2	SW-2	Total/NA	Solid	Total BTEX	
880-23038-3	SW-3	Total/NA	Solid	Total BTEX	

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Client: Tetra Tech, Inc. Project/Site: MLMU #212

GC VOA (Continued)

Analysis Batch: 42982 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-4	SW-4	Total/NA	Solid	Total BTEX	
880-23038-5	SW-5	Total/NA	Solid	Total BTEX	
880-23038-6	SW-6	Total/NA	Solid	Total BTEX	
880-23038-7	SW-7	Total/NA	Solid	Total BTEX	
880-23038-8	SW-8	Total/NA	Solid	Total BTEX	
880-23038-9	SW-9	Total/NA	Solid	Total BTEX	
880-23038-10	SW-10	Total/NA	Solid	Total BTEX	
880-23038-11	SW-11	Total/NA	Solid	Total BTEX	
880-23038-12	SW-12	Total/NA	Solid	Total BTEX	
880-23038-13	SW-13	Total/NA	Solid	Total BTEX	
880-23038-14	SW-14	Total/NA	Solid	Total BTEX	
880-23038-15	SW-15	Total/NA	Solid	Total BTEX	
880-23038-16	SW-16	Total/NA	Solid	Total BTEX	
880-23038-17	SW-17	Total/NA	Solid	Total BTEX	
880-23038-18	SW-18	Total/NA	Solid	Total BTEX	
880-23038-19	SW-19	Total/NA	Solid	Total BTEX	
880-23038-20	SW-20	Total/NA	Solid	Total BTEX	
880-23038-21	SW-21	Total/NA	Solid	Total BTEX	
880-23038-22	SW-22	Total/NA	Solid	Total BTEX	
880-23038-23	SW-23	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 42636

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-21	SW-21	Total/NA	Solid	8015B NM	42738
880-23038-22	SW-22	Total/NA	Solid	8015B NM	42738
880-23038-23	SW-23	Total/NA	Solid	8015B NM	42738
MB 880-42738/1-A	Method Blank	Total/NA	Solid	8015B NM	42738
LCS 880-42738/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42738
LCSD 880-42738/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42738
890-3702-A-10-D MS	Matrix Spike	Total/NA	Solid	8015B NM	42738
890-3702-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42738

Prep Batch: 42738

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-21	SW-21	Total/NA	Solid	8015NM Prep	
880-23038-22	SW-22	Total/NA	Solid	8015NM Prep	
880-23038-23	SW-23	Total/NA	Solid	8015NM Prep	
MB 880-42738/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42738/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42738/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3702-A-10-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3702-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 42762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-1	SW-1	Total/NA	Solid	8015NM Prep	
880-23038-2	SW-2	Total/NA	Solid	8015NM Prep	
880-23038-3	SW-3	Total/NA	Solid	8015NM Prep	
880-23038-4	SW-4	Total/NA	Solid	8015NM Prep	

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Job ID: 880-23038-1

SDG: Lea County, NM

Client: Tetra Tech, Inc. Project/Site: MLMU #212

GC Semi VOA (Continued)

Prep Batch: 42762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-5	SW-5	Total/NA	Solid	8015NM Prep	
880-23038-6	SW-6	Total/NA	Solid	8015NM Prep	5
880-23038-7	SW-7	Total/NA	Solid	8015NM Prep	
880-23038-8	SW-8	Total/NA	Solid	8015NM Prep	
880-23038-9	SW-9	Total/NA	Solid	8015NM Prep	
880-23038-10	SW-10	Total/NA	Solid	8015NM Prep	
880-23038-11	SW-11	Total/NA	Solid	8015NM Prep	_
880-23038-12	SW-12	Total/NA	Solid	8015NM Prep	8
880-23038-13	SW-13	Total/NA	Solid	8015NM Prep	
880-23038-14	SW-14	Total/NA	Solid	8015NM Prep	9
880-23038-15	SW-15	Total/NA	Solid	8015NM Prep	
880-23038-16	SW-16	Total/NA	Solid	8015NM Prep	
880-23038-17	SW-17	Total/NA	Solid	8015NM Prep	
880-23038-18	SW-18	Total/NA	Solid	8015NM Prep	
880-23038-19	SW-19	Total/NA	Solid	8015NM Prep	
880-23038-20	SW-20	Total/NA	Solid	8015NM Prep	
MB 880-42762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23038-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
880-23038-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42771

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-1	SW-1	Total/NA	Solid	8015B NM	42762
880-23038-2	SW-2	Total/NA	Solid	8015B NM	42762
880-23038-3	SW-3	Total/NA	Solid	8015B NM	42762
880-23038-4	SW-4	Total/NA	Solid	8015B NM	42762
880-23038-5	SW-5	Total/NA	Solid	8015B NM	42762
880-23038-6	SW-6	Total/NA	Solid	8015B NM	42762
880-23038-7	SW-7	Total/NA	Solid	8015B NM	42762
880-23038-8	SW-8	Total/NA	Solid	8015B NM	42762
880-23038-9	SW-9	Total/NA	Solid	8015B NM	42762
880-23038-10	SW-10	Total/NA	Solid	8015B NM	42762
880-23038-11	SW-11	Total/NA	Solid	8015B NM	42762
880-23038-12	SW-12	Total/NA	Solid	8015B NM	42762
880-23038-13	SW-13	Total/NA	Solid	8015B NM	42762
880-23038-14	SW-14	Total/NA	Solid	8015B NM	42762
880-23038-15	SW-15	Total/NA	Solid	8015B NM	42762
880-23038-16	SW-16	Total/NA	Solid	8015B NM	42762
880-23038-17	SW-17	Total/NA	Solid	8015B NM	42762
880-23038-18	SW-18	Total/NA	Solid	8015B NM	42762
880-23038-19	SW-19	Total/NA	Solid	8015B NM	42762
880-23038-20	SW-20	Total/NA	Solid	8015B NM	42762
MB 880-42762/1-A	Method Blank	Total/NA	Solid	8015B NM	42762
LCS 880-42762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42762
LCSD 880-42762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42762
880-23038-1 MS	SW-1	Total/NA	Solid	8015B NM	42762
880-23038-1 MSD	SW-1	Total/NA	Solid	8015B NM	42762

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Job ID: 880-23038-1 SDG: Lea County, NM

Client: Tetra Tech, Inc. Project/Site: MLMU #212

GC Semi VOA

Analysis Batch: 42800

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-1	SW-1	Total/NA	Solid	8015 NM	
880-23038-2	SW-2	Total/NA	Solid	8015 NM	
880-23038-3	SW-3	Total/NA	Solid	8015 NM	
880-23038-4	SW-4	Total/NA	Solid	8015 NM	
880-23038-5	SW-5	Total/NA	Solid	8015 NM	
880-23038-6	SW-6	Total/NA	Solid	8015 NM	
880-23038-7	SW-7	Total/NA	Solid	8015 NM	
880-23038-8	SW-8	Total/NA	Solid	8015 NM	
880-23038-9	SW-9	Total/NA	Solid	8015 NM	
880-23038-10	SW-10	Total/NA	Solid	8015 NM	
880-23038-11	SW-11	Total/NA	Solid	8015 NM	
880-23038-12	SW-12	Total/NA	Solid	8015 NM	
880-23038-13	SW-13	Total/NA	Solid	8015 NM	
880-23038-14	SW-14	Total/NA	Solid	8015 NM	
880-23038-15	SW-15	Total/NA	Solid	8015 NM	
880-23038-16	SW-16	Total/NA	Solid	8015 NM	
880-23038-17	SW-17	Total/NA	Solid	8015 NM	
880-23038-18	SW-18	Total/NA	Solid	8015 NM	
880-23038-19	SW-19	Total/NA	Solid	8015 NM	
880-23038-20	SW-20	Total/NA	Solid	8015 NM	
880-23038-21	SW-21	Total/NA	Solid	8015 NM	
880-23038-22	SW-22	Total/NA	Solid	8015 NM	
880-23038-23	SW-23	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42707

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-1	SW-1	Soluble	Solid	DI Leach	
880-23038-2	SW-2	Soluble	Solid	DI Leach	
880-23038-3	SW-3	Soluble	Solid	DI Leach	
MB 880-42707/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42707/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42707/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23030-A-12-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-23030-A-12-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 42708

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-4	SW-4	Soluble	Solid	DI Leach	
880-23038-5	SW-5	Soluble	Solid	DI Leach	
880-23038-6	SW-6	Soluble	Solid	DI Leach	
880-23038-7	SW-7	Soluble	Solid	DI Leach	
880-23038-8	SW-8	Soluble	Solid	DI Leach	
880-23038-9	SW-9	Soluble	Solid	DI Leach	
880-23038-10	SW-10	Soluble	Solid	DI Leach	
880-23038-11	SW-11	Soluble	Solid	DI Leach	
880-23038-12	SW-12	Soluble	Solid	DI Leach	
880-23038-13	SW-13	Soluble	Solid	DI Leach	
880-23038-14	SW-14	Soluble	Solid	DI Leach	
880-23038-15	SW-15	Soluble	Solid	DI Leach	

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Job ID: 880-23038-1

SDG: Lea County, NM

Client: Tetra Tech, Inc. Project/Site: MLMU #212

HPLC/IC (Continued)

Leach Batch: 42708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23038-16	SW-16	Soluble	Solid	DI Leach	
880-23038-17	SW-17	Soluble	Solid	DI Leach	
880-23038-18	SW-18	Soluble	Solid	DI Leach	
880-23038-19	SW-19	Soluble	Solid	DI Leach	
880-23038-20	SW-20	Soluble	Solid	DI Leach	
880-23038-21	SW-21	Soluble	Solid	DI Leach	
880-23038-22	SW-22	Soluble	Solid	DI Leach	
880-23038-23	SW-23	Soluble	Solid	DI Leach	
MB 880-42708/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42708/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42708/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23038-4 MS	SW-4	Soluble	Solid	DI Leach	
880-23038-4 MSD	SW-4	Soluble	Solid	DI Leach	
880-23038-14 MS	SW-14	Soluble	Solid	DI Leach	
880-23038-14 MSD	SW-14	Soluble	Solid	DI Leach	

Analysis Batch: 42806

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-1	SW-1	Soluble	Solid	300.0	42707
880-23038-2	SW-2	Soluble	Solid	300.0	42707
880-23038-3	SW-3	Soluble	Solid	300.0	42707
MB 880-42707/1-A	Method Blank	Soluble	Solid	300.0	42707
LCS 880-42707/2-A	Lab Control Sample	Soluble	Solid	300.0	42707
LCSD 880-42707/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42707
880-23030-A-12-D MS	Matrix Spike	Soluble	Solid	300.0	42707
880-23030-A-12-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	42707

Analysis Batch: 42809

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-23038-4	SW-4	Soluble	Solid	300.0	42708
880-23038-5	SW-5	Soluble	Solid	300.0	42708
880-23038-6	SW-6	Soluble	Solid	300.0	42708
880-23038-7	SW-7	Soluble	Solid	300.0	42708
880-23038-8	SW-8	Soluble	Solid	300.0	42708
880-23038-9	SW-9	Soluble	Solid	300.0	42708
880-23038-10	SW-10	Soluble	Solid	300.0	42708
880-23038-11	SW-11	Soluble	Solid	300.0	42708
880-23038-12	SW-12	Soluble	Solid	300.0	42708
880-23038-13	SW-13	Soluble	Solid	300.0	42708
880-23038-14	SW-14	Soluble	Solid	300.0	42708
880-23038-15	SW-15	Soluble	Solid	300.0	42708
880-23038-16	SW-16	Soluble	Solid	300.0	42708
880-23038-17	SW-17	Soluble	Solid	300.0	42708
880-23038-18	SW-18	Soluble	Solid	300.0	42708
880-23038-19	SW-19	Soluble	Solid	300.0	42708
880-23038-20	SW-20	Soluble	Solid	300.0	42708
880-23038-21	SW-21	Soluble	Solid	300.0	42708
880-23038-22	SW-22	Soluble	Solid	300.0	42708
880-23038-23	SW-23	Soluble	Solid	300.0	42708
MB 880-42708/1-A	Method Blank	Soluble	Solid	300.0	42708
LCS 880-42708/2-A	Lab Control Sample	Soluble	Solid	300.0	42708

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Job ID: 880-23038-1 SDG: Lea County, NM

Client: Tetra Tech, Inc. Project/Site: MLMU #212 Job ID: 880-23038-1

HPLC/IC (Continued)

Analysis Batch: 42809 (Continued)

CSD 880-42708/3-A Lab Control Sample Dup Soluble Solid 300.0 42708 80-23038-4 MS SW-4 Soluble Solid 300.0 42708 80-23038-4 MSD SW-4 Soluble Solid 300.0 42708	nalysis Batch: 42809	(Continued)				
80-23038-4 MS SW-4 Soluble Solid 300.0 42708 80-23038-4 MSD SW-4 Soluble Solid 300.0 42708 80-23038-14 MSD SW-14 Soluble Soluble Solid 300.0 42708	Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
80-23038-4 MSD SW-4 Soluble Solid 300.0 42708 80-23038-14 MS SW-14 Soluble Solid 300.0 42708	LCSD 880-42708/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42708
80-23038-14 MS SW-14 Soluble Solid 300.0 42708	880-23038-4 MS	SW-4	Soluble	Solid	300.0	42708
	80-23038-4 MSD	SW-4	Soluble	Solid	300.0	42708
80-23038-14 MSD SW-14 Soluble Solid 300.0 42708	80-23038-14 MS	SW-14	Soluble	Solid	300.0	42708
	80-23038-14 MSD	SW-14	Soluble	Solid	300.0	42708

SDG: Lea County, NM

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-1

Lab Sample ID: 880-23038-2

Client Sample ID: SW-1 Date Collected: 12/20/22 10:00

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 11:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 13:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 18:13	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42707	12/27/22 13:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42806	12/30/22 10:56	СН	EET MID

Client Sample ID: SW-2

Date Collected: 12/20/22 10:10

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 13:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 19:21	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42707	12/27/22 13:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42806	12/30/22 11:00	СН	EET MID

Client Sample ID: SW-3

Date Collected: 12/20/22 10:20

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 19:43	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42707	12/27/22 13:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42806	12/30/22 11:05	CH	EET MID

Client Sample ID: SW-4 Date Collected: 12/20/22 10:30 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID

Eurofins Midland

Lab Sample ID: 880-23038-4

Matrix: Solid

Matrix: Solid

5 6

9

Matrix: Solid

 2/28/22 08:21
 DM
 EET MID

 2/28/22 19:21
 AJ
 EET MID

 2/27/22 13:21
 KS
 EET MID

 2/30/22 11:00
 CH
 EET MID

 Lab Sample ID: 880-23038-3

 Matrix: Solid

Client: Tetra Tech, Inc.

Prep Type

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Project/Site: MLMU #212

Client Sample ID: SW-4

Date Collected: 12/20/22 10:30

Date Received: 12/22/22 13:00

Client Sample ID: SW-5

Date Collected: 12/20/22 10:40

Date Received: 12/22/22 13:00

Batch

Туре

Prep

Analysis

Analysis

Analysis

Leach

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

8015 NM

8015NM Prep

8015B NM

DI Leach

300.0

Batch

300.0

Method

Initial

Amount

10.04 g

1 uL

5 g

50 mL

Initial

Amount

50 mL

Dil

1

1

1

Dil

1

Factor

Factor

Run

Run

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-4

Analyst

SM

DM

AJ

KS

СН

Lab Sample ID: 880-23038-5

Analyst

Prepared

or Analyzed

12/29/22 13:26

12/28/22 08:21

12/28/22 20:05

12/27/22 13:24

12/30/22 00:47

12/30/22 01:01

Matrix: Solid

Lab

EET MID

EET MID

EET MID

EET MID

EET MID

Lab

EET MID

Matrix: Solid

Matrix: Solid Prepared

СН

Lab Sample ID: 880-23038-6

or Analyzed 5035 5.03 g 5 mL 42812 12/28/22 14:41 MNR EET MID 8021B 5 mL 5 mL 42924 12/30/22 12:58 MNR EET MID 1 Total BTEX 1 42982 12/30/22 16:14 AJ EET MID 8015 NM 42800 12/29/22 13:26 EET MID SM 1 8015NM Prep 10.03 g 10 mL 42762 12/28/22 08:21 DM EET MID 8015B NM 42771 12/28/22 20:28 EET MID 1 uL 1 uL AJ 1 **DI Leach** 4.96 g 50 mL 42708 12/27/22 13:24 KS EET MID

50 mL

Final

Amount

10 mL

1 uL

50 mL

50 mL

Final

Amount

Batch

Number

42800

42762

42771

42708

42809

Batch

42809

Number

Client Sample ID: SW-6

Date Collected: 12/20/22 10:50 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 20:50	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:06	СН	EET MID

Client Sample ID: SW-7

Date Collected: 12/20/22 11:00 Date Received: 12/22/22 13:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 21:12	AJ	EET MID

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-23038-7

Released to Imaging: 2/5/2024 11:12:05 AM

Lab Chronicle

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Client Sample ID: SW-7

Date Collected: 12/20/22 11:00 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:10	СН	EET MID

Client Sample ID: SW-8

Date Collected: 12/20/22 11:10 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 21:34	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:15	СН	EET MID

Client Sample ID: SW-9 Date Collected: 12/20/22 11:20

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 21:57	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:29	СН	EET MID

Client Sample ID: SW-10 Date Collected: 12/20/22 11:30 Date Received: 12/22/22 13:00

Lab Sample ID: 880-23038-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 22:19	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:34	CH	EET MID

Eurofins Midland

SDG: Lea County, NM Lab Sample ID: 880-23038-7

Lab Sample ID: 880-23038-8

Lab Sample ID: 880-23038-9

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 880-23038-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-23038-12

Lab Sample ID: 880-23038-13

Lab Sample ID: 880-23038-14

Job ID: 880-23038-1 SDG: Lea County, NM

Client Sample ID: SW-11 Date Collected: 12/20/22 11:40 1. 40/00/00 40.00

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 23:04	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:39	СН	EET MID

Client Sample ID: SW-12

Date Collected: 12/20/22 11:50

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 23:26	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:43	СН	EET MID

Client Sample ID: SW-13

Date Collected: 12/20/22 13:00

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/28/22 23:48	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:48	CH	EET MID

Client Sample ID: SW-14 Date Collected: 12/20/22 13:10 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID

Eurofins Midland

Matrix: Solid

Released to Imaging: 2/5/2024 11:12:05 AM

Lab Sample ID: 880-23038-11 Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-14

Lab Sample ID: 880-23038-15

Client Sample ID: SW-14 Date Collected: 12/20/22 13:10

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 00:09	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 01:53	СН	EET MID

Client Sample ID: SW-15 Date Collected: 12/20/22 13:20

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 18:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 00:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:07	СН	EET MID

Client Sample ID: SW-16

Date Collected: 12/20/22 13:30 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 00:52	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:11	CH	EET MID

Client Sample ID: SW-17

Date Collected: 12/20/22 13:40 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 01:14	AJ	EET MID

Eurofins Midland

Matrix: Solid

5

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Lab Sample ID: 880-23038-17

Lab Sample ID: 880-23038-16

Released to Imaging: 2/5/2024 11:12:05 AM

Lab Chronicle

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Client Sample ID: SW-17 Date Collected: 12/20/22 13:40

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:26	СН	EET MID

Client Sample ID: SW-18

Date Collected: 12/20/22 13:50 Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 01:36	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:30	CH	EET MID

Client Sample ID: SW-19 Date Collected: 12/20/22 14:00

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 01:58	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:35	СН	EET MID

Client Sample ID: SW-20 Date Collected: 12/20/22 14:10

Date Received: 12/22/22 13:00

Lab Sample ID: 880-23038-20 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42812	12/28/22 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/30/22 20:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/29/22 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42762	12/28/22 08:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42771	12/29/22 02:19	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:40	CH	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

9

Job ID: 880-23038-1

SDG: Lea County, NM

Lab Sample ID: 880-23038-18

Lab Sample ID: 880-23038-19

Matrix: Solid

5 6

9

Job ID: 880-23038-1 SDG: Lea County, NM

Lab Sample ID: 880-23038-21

Client Sample ID: SW-21 Date Collected: 12/20/22 14:20

Client: Tetra Tech, Inc.

Project/Site: MLMU #212

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Amount Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42813	12/28/22 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42923	12/30/22 20:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/28/22 13:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42738	12/27/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42636	12/28/22 02:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:44	СН	EET MID

Lab Sample ID: 880-23038-22

Lab Sample ID: 880-23038-23

Matrix: Solid

Matrix: Solid

Date Collected: 12/20/22 14:30 Date Received: 12/22/22 13:00

Client Sample ID: SW-22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42813	12/28/22 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42923	12/30/22 20:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/31/22 10:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/28/22 13:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42738	12/27/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42636	12/28/22 03:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:49	СН	EET MID

Client Sample ID: SW-23

Date Collected: 12/20/22 14:40

Date Received: 12/22/22 13:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42736	12/27/22 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/30/22 08:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42982	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42800	12/28/22 13:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42738	12/27/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42636	12/28/22 03:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42708	12/27/22 13:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42809	12/30/22 02:54	СН	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

ithority		Program	Identification Number	Expiration Date
xas		NELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of		but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for w
Analysis Method	Pren Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	
,	Prep Method 8015NM Prep		· ·	

Eurofins Midland

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Job ID: 880-23038-1

SDG: Lea County, NM

Method Summary

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Job ID: 880-23038-1 SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Tetra Tech, Inc. Project/Site: MLMU #212

Lab Sample ID 880-23038-1 880-23038-2 880-23038-3 880-23038-4 880-23038-5 880-23038-6 880-23038-7 880-23038-8 880-23038-9 880-23038-10 880-23038-11 880-23038-12 880-23038-13 880-23038-14 880-23038-15 880-23038-16 880-23038-17 880-23038-18 880-23038-19 880-23038-20 880-23038-21 880-23038-22 880-23038-23

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1 480		0, 202

Job ID: 880-23038-1 SDG: Lea County, NM

			-	
	12/20/22 10:00	12/22/22 13:00		
Solid	12/20/22 10:10	12/22/22 13:00		_
Solid	12/20/22 10:20	12/22/22 13:00		5
Solid	12/20/22 10:30	12/22/22 13:00		
Solid	12/20/22 10:40	12/22/22 13:00		
Solid	12/20/22 10:50	12/22/22 13:00		
Solid	12/20/22 11:00	12/22/22 13:00		
Solid	12/20/22 11:10	12/22/22 13:00		
Solid	12/20/22 11:20	12/22/22 13:00		
Solid	12/20/22 11:30	12/22/22 13:00		8
Solid	12/20/22 11:40	12/22/22 13:00		
Solid	12/20/22 11:50	12/22/22 13:00		9
Solid	12/20/22 13:00	12/22/22 13:00		
Solid	12/20/22 13:10	12/22/22 13:00		
Solid	12/20/22 13:20	12/22/22 13:00		
Solid	12/20/22 13:30	12/22/22 13:00		
Solid	12/20/22 13:40	12/22/22 13:00		
Solid	12/20/22 13:50	12/22/22 13:00		12
Solid	12/20/22 14:00	12/22/22 13:00		
Solid	12/20/22 14:10	12/22/22 13:00		
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14

Job Number: 880-23038-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Login Number: 23038 List Number: 1

<6mm (1/4").

Creator: Rodriguez, Leticia

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

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
J R OIL, LTD. CO.	256073
P.O. Box 53657	Action Number:
Lubbock, TX 79453	267850
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition

Closure approved. 48 hour sampling notifications were not attached. Samples will not be accepted in the future should C-141N notifications not be submitted 2/5/2024 scwells for every day that samples are collected for closure per 19.15.29.12(D)1(a) NMAC.

CONDITIONS

Action 267850

Condition Date