

SITE INFORMATION

Closure Report
Paloma 21 Federal Battery (12.11.2024)
Incident # NAPP2434753966
Lea County, New Mexico
Unit B Sec 21 T20S R34E
32.564457°, -103.563672°

Produced Water Release

Point of Release: Mechanical seal failed on water transfer pump

Release Date: 12.11.2024

Volume Released: 75 barrels of Produced Water Volume Recovered: 30 barrels of Produced Water

CARMONA RESOURCES

Prepared for: Fasken Oil and Ranch, Ltd. 6101 Holiday Hill Road Midland, Texas 79707

Prepared by: Carmona Resources, LLC 310 West Wall Street Suite 500 Midland, Texas 79701

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



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March 10, 2025

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

Re: Closure Report

Paloma 21 Federal Battery (12.11.2024)

Fasken Oil and Ranch, Ltd. Incident # NAPP2434753966

Site Location: Unit B, S21, T20S, R34E (Lat 32.564457°, Long -103.563672°)

Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd., Carmona Resources, LLC has prepared this letter to document the Paloma 21 Federal Battery site activities. The site is located at 32.564457 °, -103.563672° within Unit B, S21, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 11, 2024, caused by a mechanical seal failure on a water transfer pump. It resulted in the release of approximately seventy-five (75) barrels of produced water, with thirty (30) barrels of produced water being recovered. The impacted area remained on the well pad, as shown in Figure 3. The Notice of Release and initial C-141 forms are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. On January 28, 2025, Carmona Resources installed a groundwater determination bore located approximately 0.36 miles Northwest of the release area in S16, T20S, R34E. The bore indicated no signs of water at a depth of 105 feet below ground surface (ft bgs) when it was gauged on January 31, 2025. A copy of the groundwater determination bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

310 West Wall Street, Suite 500 Midland, Texas 79701 432,813,1992



4.0 Site Assessment Activities

On December 19, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) test trenches (T-1 through T-3) and five (5) horizontal samples (H-1 through H-5) were advanced to depths ranging from the surface to 8.0' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for sample locations.

5.0 Remediation Activities

Carmona Resources personnel were on site to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on January 31, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for correspondence. A total of two (2) floor confirmation samples were collected (CS-1 through CS-2), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4.

All final confirmation samples were below regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Before the excavation was backfilled, a composite sample was collected on February 5, 2025. The backfill material was sourced locally from Lazy Ace Land Farm & Pit. Refer to Table 2. Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. Approximately 225 square feet of contamination was remediated, resulting in approximately 25 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Ashton Thielke

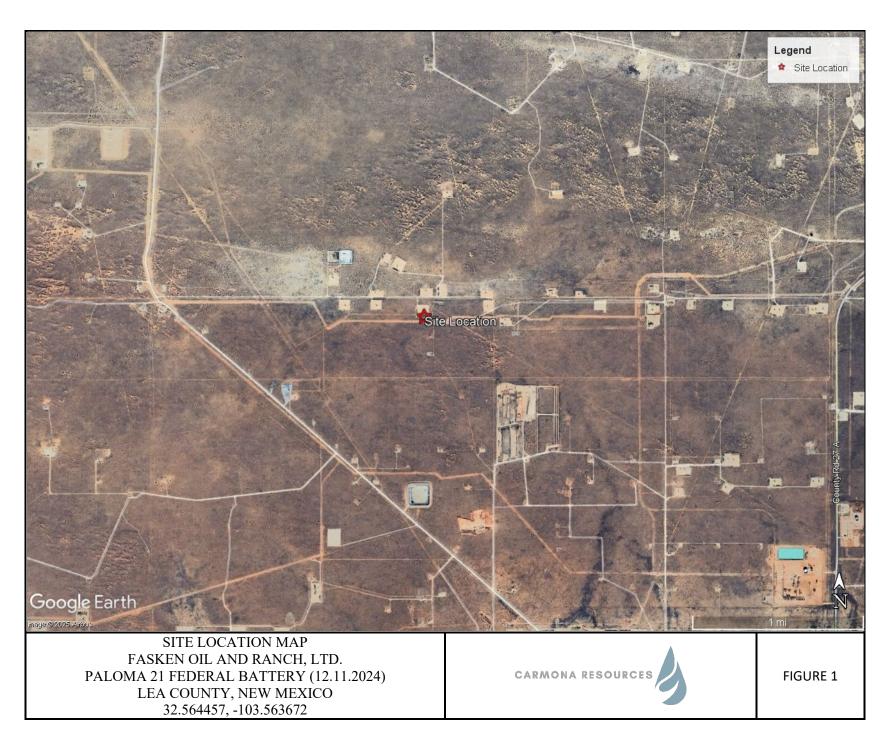
Environmental Manager

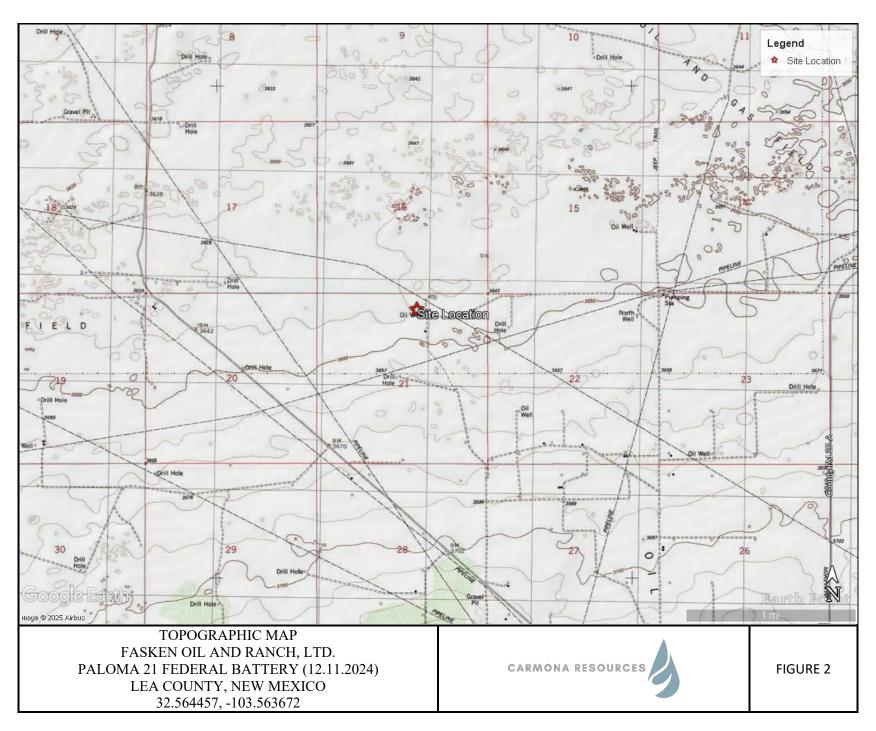
Conner Moehring Environmental Manager

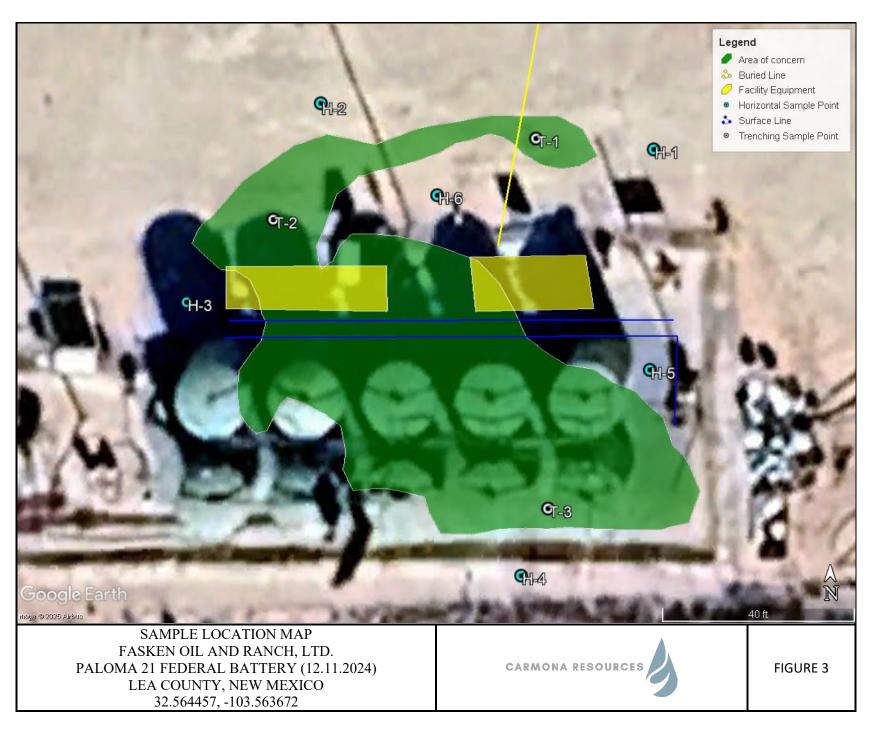
> 310 West Wall Street, Suite 500 Midland, Texas 79701

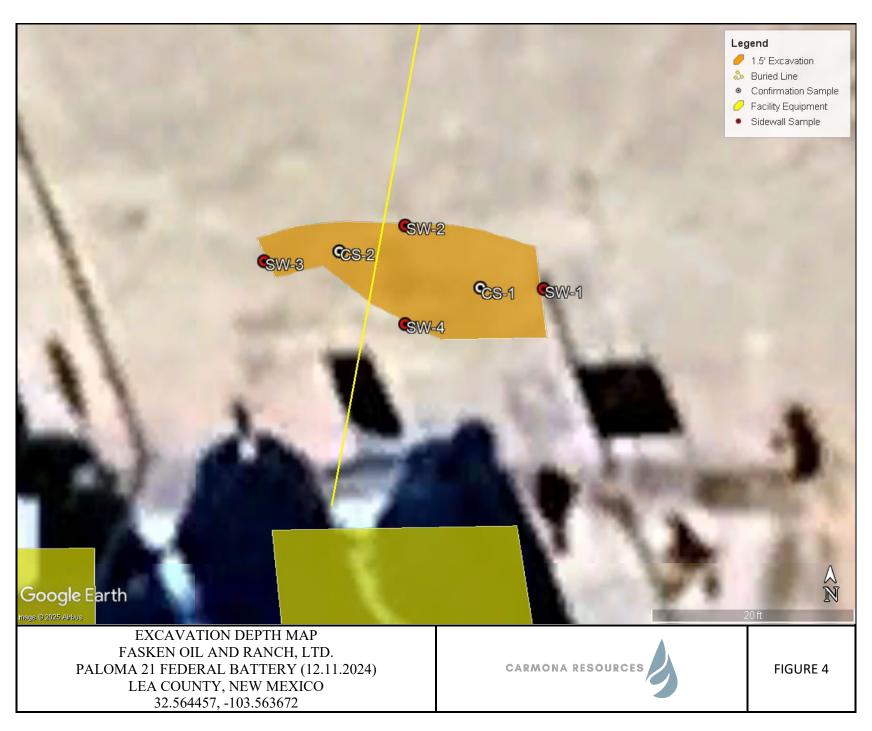
FIGURES

CARMONA RESOURCES









APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil And Ranch
Paloma 21 Federal Battery (12.11.24)
Lea County, New Mexico

0	5.1	D . (1, (6)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
	12/19/2024	0-1'	<49.8	1,180	276	1,460	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	245
T-1	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	277
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	284
	12/19/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	0.0418	<0.00404	0.0418	9,080
T-2	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,400
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	300
	12/19/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,490
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,900
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,260
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,170
T-3	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,190
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,710
	"	6'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,620
	"	7'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,330
	"	8'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	154
H-1	12/19/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	162
H-2	12/19/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	79.6
H-3	12/19/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	33.7
H-4	12/19/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	106
H-5	12/19/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	82.6
Regulator	ry Criteria ^A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons

ft - feet

(T) Trench Sample

(H) Horizontal Point

Removed

Table 2
Fasken Oil And Ranch
Paloma 21 Federal Battery (12.11.24)
Lea County, New Mexico

0	Data	D (1) (6)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
CS-1	2/3/2025	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.0
CS-2	2/3/2025	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.8
SW-1	2/3/2025	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
SW-2	2/3/2025	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<9.94
SW-3	2/3/2025	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-4	2/3/2025	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
Lazy Ace Land Farm & Pit	2/5/2025	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	27.6
Regulatory Cr	iteria ^A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet

(CS) Confirmation Sample (SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 1

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-2.



Photograph No. 2

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-2.



Photograph No. 3

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View East, area of CS-1 through CS-2.





PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 4

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 through CS-2.



Photograph No. 5

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View West, drilling of Groundwater Determination

Bore.



Photograph No. 6

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View of cuttings from drilling the Groundwater Determination Bore.





PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 7

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View South, Groundwater Determination Bore with water level meter.



Photograph No. 8

Facility: Paloma 21 Federal Battery

(12.11.2024)

County: Lea County, New Mexico

Description:

View South, area of the backfilled excavation and area has been watered and compacted. To match the surrounding area.



APPENDIX C

CARMONA RESOURCES

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 411409

QUESTIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411409
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source					
Please answer all the questions in this group.					
Site Name	Paloma 21 Federal Battery				
Date Release Discovered	12/11/2024				
Surface Owner	Federal				

Incident Details						
Please answer all the questions in this group.						
Incident Type	Produced Water Release					
Did this release result in a fire or is the result of a fire	No					
Did this release result in any injuries	No					
Has this release reached or does it have a reasonable probability of reaching a watercourse	No					
Has this release endangered or does it have a reasonable probability of endangering public health	No					
Has this release substantially damaged or will it substantially damage property or the environment	No					
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No					

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 75 BBL Recovered: 30 BBL Lost: 45 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	bad mechanical seal on water transfer pump

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 411409

QUESTIONS (continued)	QL	JEST	IONS	(continued)
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Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411409
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)						
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.					
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes					
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.					
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.						

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a sa	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Action 411409

ACKNOWLEDGMENTS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411409
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\lor}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
~	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
~	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
~	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
~	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 411409

CONDITIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd Midland, TX 79707	Action Number: 411409
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Create By	d Condition	Condition Date
along	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/12/2024

***** LIQUID SPILLS - VOLUME CALCULATIONS *****										
Locati	on of spill:	Paloma 21 Fed B	attery		Date of Spill:	11-Dec-2	024			
		If the leak/spill is as	sociated with pr	oduction	n equipment, i.e wellhead	d, stuffing box,				
		flowline, tank battery, p	roduction vessel, t	transfer p	oump, or storage tank place	an "X" here:				
				Input I	Data:	OIL:	WATER:			
· ·					own enter the volumes here:	0.0 BBL	0.0 BE			
If "known"			r the following "	Area Cal	lculations" is optional. Th					
	I otal Area	a Calculations	wet soil			Standing Liqui	d Calculation	1S		
Total Surface Area Rectangle Area #1	width 76 ft	length 44 ft X	depth 0	oil (%)	Standing Liquid Area Rectangle Area #1	width 76 ft X	length 44 ft	liquid X	depth 1 in	oil (%)
Rectangle Area #2	80 ft X		2.00 in	0%	Rectangle Area #2			X	1 in	0%
Rectangle Area #3	0 ft X		0.00 in	0%	Rectangle Area #3			X	0 in	0%
Rectangle Area #4 Rectangle Area #5	0 ft X 0 ft X		0 in 0 in	0% 0%	Rectangle Area #4 Rectangle Area #5			X X	0 in 0 in	0% 0%
Rectangle Area #6	0 ft X	0 ft X	0 in	0%	Rectangle Area #6	0 ft X		X	0 in	0%
Rectangle Area #7 Rectangle Area #8	0 ft X 0 ft X		0 in 0 in	0% 0%	Rectangle Area #7 Rectangle Area #8			X X	0 in 0 in	0% 0%
r tostalligio / il oa //o	• n n	• n	5	0,10	r tootangle 7 ti ou 70		•			0,10
				okay						
			-		DUCTION DATA REQUIRE	D				
Average Daily Production:	Oil 0 BE	BL Water 800 BBL	0 Gas (MCFD)	T	00/	_ , , ,			
	_	_			Total Hydrocarbon C		(1			
Did leak occur before the separ	rator?:	YES N/A	(place an "X")		H2S Content in F H2S Content in		PPM PPM			
							PPIVI			
Amount of Free Liquid Recovered:	0 BBL	okay			Percentage of Oil	Recovered: 0%	(percentage)			
Liquid holding factor *:	0.08 gal per		ing when the spill wet			Use the following when				
			3 gallon (gal.) liquid pe liche) loam = 0.14 gal.			Occurs when the spill so * Clay loam = 0.20 gal.			ural (or no	ot).
		• •	oam soil = 0.14 gal liq		-	* Gravelly (caliche) loan			oil.	
		* Clay loam =	0.16 gal. liquid per ga	al. volume o	of soil.	* Sandy loam = 0.5 gal.	liquid per gal. volum	e of soil.		
Total Solid/Liquid Volume:	4,144 sq. ft.	969 cu. ft.	cu. ft.		Total Free Liquid Volume:	4,144 sq. ft	. 345 cu	. ft.	cu.	ft.
Estimated Volumes	Spilled				Estimated Productio	n Volumes Lost				
	in Soil:	<u>H2O</u> 13.8 BBL	<u>OIL</u> 0.0 BBL		Estimated Prod	uction Spilled:	<u>H2O</u> 75.3 BB	OI L	<u>L</u>).0 BBL	
	Liquid: Totals:	61.5 BBL 75.3 BBL	0.0 BBL 0.0 BBL		Estimated Surfa					
Total Liquid Spill	Liquid:	75.3 BBL	0.00 BBL		Surface Area: Surface Area:	, ,				
Recovered Volum	•				Estimated Weights	, and Volumes				
	BBL				0.1.1.0.	100 505 "	000		00	
Estimated oil recovered: Estimated water recovered:	BBL	check - ol check - ol	•		Saturated Soil = Total Liquid =	,	969 cu. 3,163 gal		36 cu.	yas.
	· -									
Air Emission from flowline leaks: Air Emission of Reporting Requirements:										
Volume of oil spill:	- BBL					New Mexico		<u>xas</u>		
Separator gas calculated:	- MCF			I	HC gas release reportable?		NC			
Separator gas released: Gas released from oil:	- MCF - lb				H2S release reportable?	NU	NC	,		
H2S released:	- lb									
Total HC gas released:	- lb									
Total HC gas released:	- MCF									

Sante Fe Main Office Phone: (505) 476-3441 General Information

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

QUESTIONS

Action 411605

QUESTIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411605
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2434753966	
Incident Name	NAPP2434753966 PALOMA 21 FEDERAL BATTERY @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Received	

Location of Release Source		
Please answer all the questions in this group.		
Site Name Paloma 21 Federal Battery		
Date Release Discovered	12/11/2024	
Surface Owner	Federal	

Incident Details			
Please answer all the questions in this group.			
Incident Type	Produced Water Release		
Did this release result in a fire or is the result of a fire	No		
Did this release result in any injuries	No		
Has this release reached or does it have a reasonable probability of reaching a watercourse	No		
Has this release endangered or does it have a reasonable probability of endangering public health	No		
Has this release substantially damaged or will it substantially damage property or the environment	No		
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No		

Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Not answered.			
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 75 BBL Recovered: 30 BBL Lost: 45 BBL.			
Is the concentration of chloride in the produced water >10,000 mg/l	No			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	bad mechanical seal on water transfer pump			

General Information Phone: (505) 629-6116

Operator:

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 411605

QUESTIONS (continued)

OGRID:

FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411605
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	mowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Addison Long Email: addison@forl.com Date: 12/13/2024

General Information Phone: (505) 629-6116 Online Phone Directory

Energy, Minerals and Natural Resources https://www.emnrd.nm.gov/ocd/contact-us

QUESTIONS, Page 3

Action 411605

Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe. NM 87505**

QUESTIONS (continued)

State of New Mexico

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411605
TA CONTRACTOR OF THE CONTRACTO	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the What is the shallowest depth to groundwater beneath the area affected by the Not answered. release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water Not answered. Did this release impact groundwater or surface water Not answered What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A continuously flowing watercourse or any other significant watercourse Not answered Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) Not answered. An occupied permanent residence, school, hospital, institution, or church Not answered. A spring or a private domestic fresh water well used by less than five households Not answered. for domestic or stock watering purposes Any other fresh water well or spring Not answered. Incorporated municipal boundaries or a defined municipal fresh water well field Not answered. Not answered. A subsurface mine Not answered. An (non-karst) unstable area Not answered. Categorize the risk of this well / site being in a karst geology A 100-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or Not answered. storage site

Remediation Plan			
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	No		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.			

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 411605

CONDITIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	411605
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	12/13/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 427048

Q	UESTIONS			
Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707		OGRID: 151416 Action Number: 427048 Action Type: [NOTIFY] Notification Of Sampling (C-141N)		
QUESTIONS		[Norm 1] Normadation of Camping (C 1711)		
Prerequisites				
Incident ID (n#)	nAPP2434753966			
Incident Name	NAPP2434753966 PALOMA 21 FEDERAL BATTERY @ 0			
Incident Type	Produced Water Rele	ase		
Incident Status	Initial C-141 Approved	I		
Location of Release Source				
Site Name	Paloma 21 Federal Ba	Paloma 21 Federal Battery		
Date Release Discovered	12/11/2024			
Surface Owner	Federal			
Sampling Event General Information				
Please answer all the questions in this group. What is the sampling surface area in square feet	422			
What is the estimated number of samples that will be gathered	7			
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2025			
Time sampling will commence	10:00 AM			
Warning: Notification can not be less than two business days prior to conducting final samplin	g.			
Please provide any information necessary for observers to contact samplers	Conner Moehring, 432	2-813-6823		
Please provide any information necessary for navigation to sampling site	32.564596, -103.5635	57		

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 427048

CONDITIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	427048
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
along	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/31/2025

APPENDIX D

CARMONA RESOURCES





Project Name : Paloma 21 Federal Battery

Project No. : Date : Tuesday, January 28, 2025

Sampler : Conner Moehring

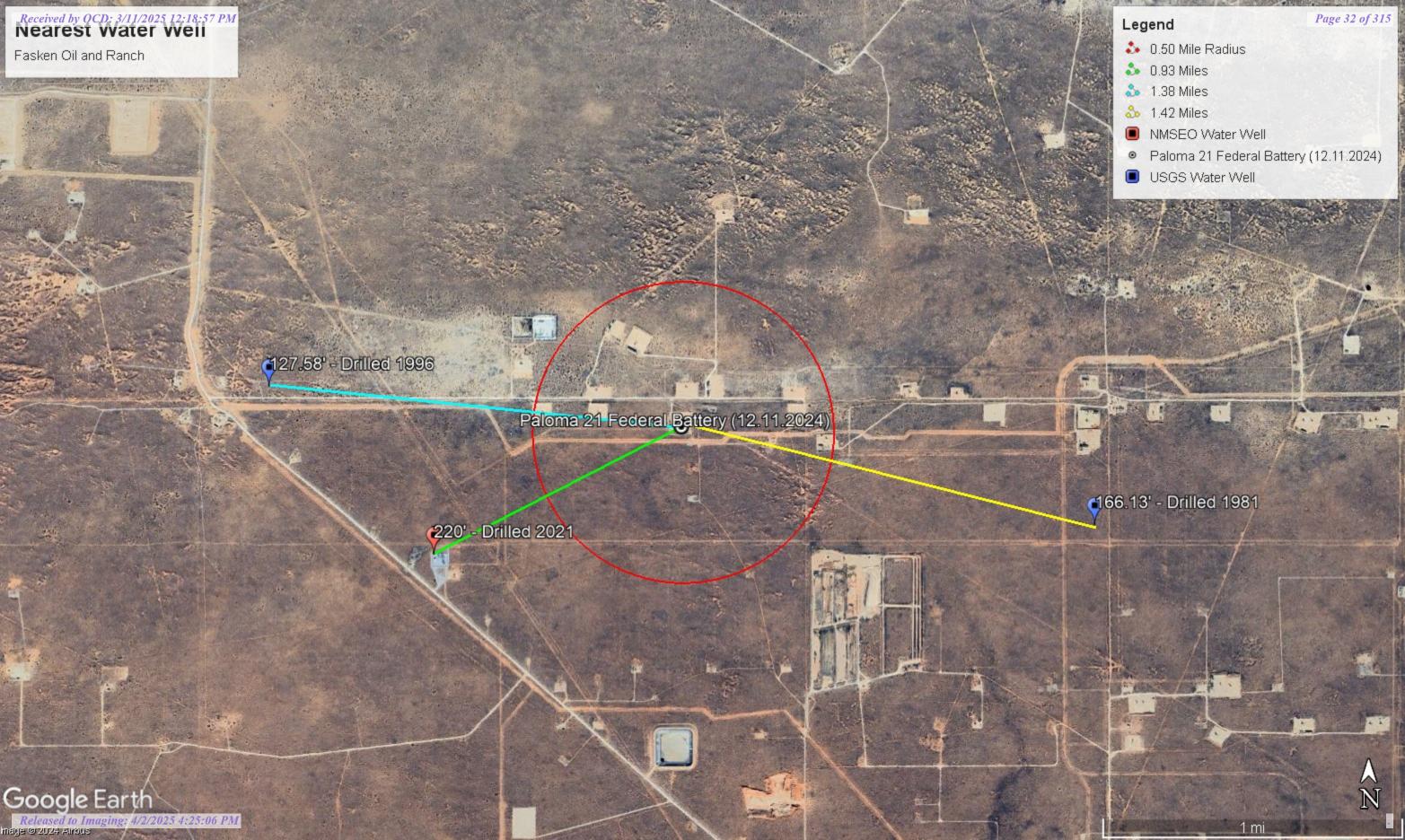
Location : Lea County, New Mexico

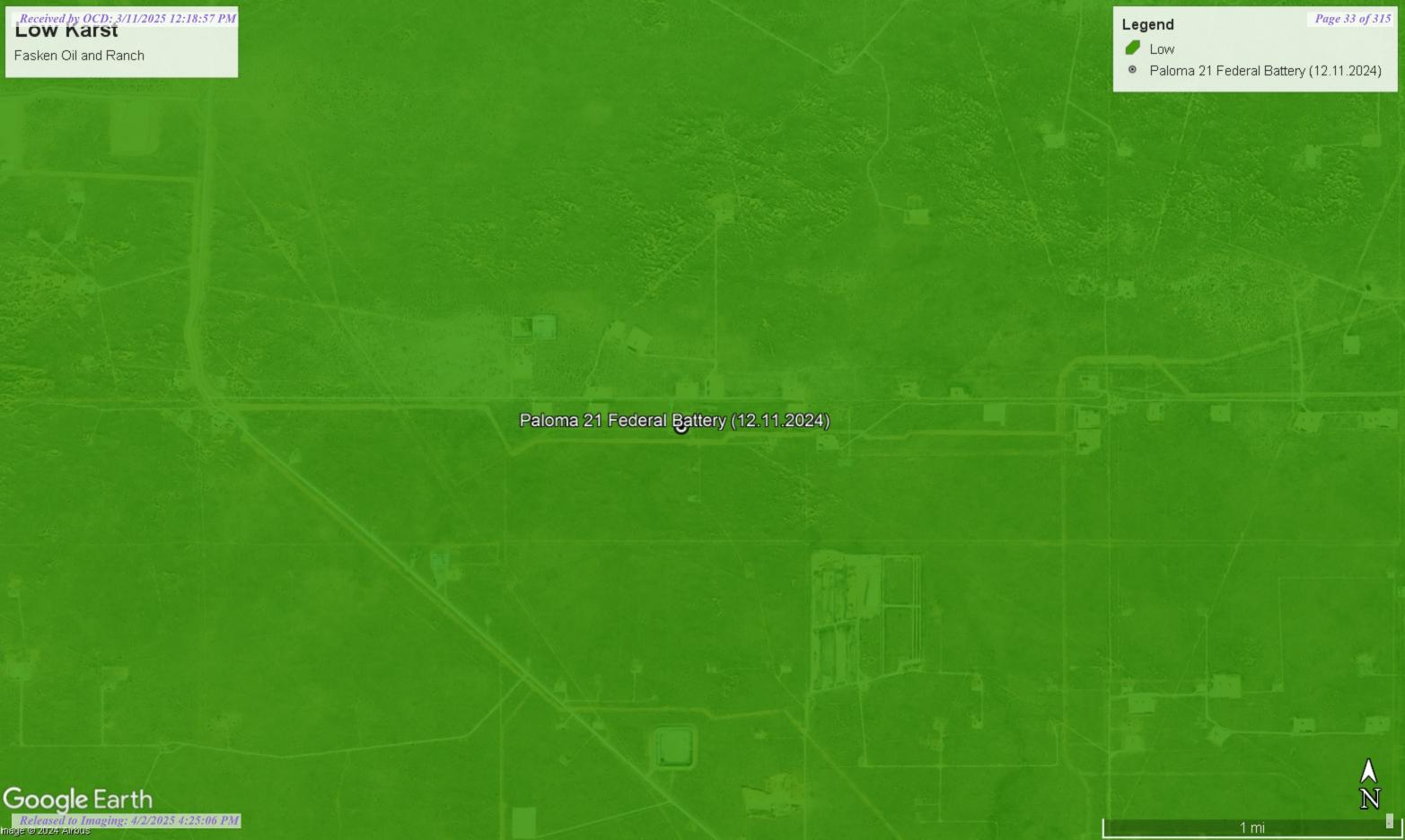
 Coordinates :
 32.569198, -103.566301
 Driller :
 H&R Enterprises, LLC

 Elevation :
 3650 feet
 Method :
 Air Rotary

Depth (ft.) WL Soil Description Lithology Depth (ft.) Soil Description Lithology (0') - Tan, moderately cemented, subangular, small to (50') - Pale red, moderately cemented, subrounded, medium gravel with 65% fine, silty soft, loose sand. small gravel with 98% fine, silty soft, loose sand. Dry, Dry, no odor, no organics (GM). no odor, no organics (SM). (55') - Pale red, moderately cemented, subrounded, small sandstone nodules with 98% fine, silty soft, (5') - Light brown, medium dense, well graded, silty loose sand. Dry, no odor, no organics (SM). soft sand. Dry, no odor, no organics (SM). (60') - Pale red, moderately cemented, subrounded, small sandstone nodules with 98% fine, silty soft, (10') - Pinkish tan, weakly cemented, subrounded, small sandstone nodules with 80% fine, silty soft, loose sand. Dry, no odor, no organics (SM). loose sand. Dry, no odor, no organics (SP). (65') - Pinkish tan, medium stiff, subangular, small 15 65 claystone nodules with 50% fine, silty soft, very loose (15') - Tannish white, moderately cemented, subangular, small to medium gravel with 60% fine, sand. Dry, no odor, no organics (SC). silty soft, loose sand. Dry, no odor, no organics (SP). (70') - Reddish brown, medium stiff, subrounded, small claystone nodules with 15% coarse, silty soft, 70 20 (20') - Tannish white, moderately cemented, loose sand. Dry, no odor, no organics (SC). subangular, small to medium gravel with 55% fine, silty soft, loose sand. Dry, no odor, no organics (SP). (75') - Reddish brown, stiff, subangular, small to medium clay nodules with 55% coarse, clayey soft, 75 medium dense sand. Dry, no odor, no organics (SC). (25') - Tannish white, moderately cemented, subangular, small sandstone nodules with 65% fine, silty soft, loose sand. Dry, no odor, no organics (SP). (80') - Reddish brown, stiff, subangular, small to medium clay nodules with 60% fine, clayey soft, loose 30 80 silty clay. Dry, no odor, no organics (CL). (30') - Pinkish tan, very loose, well graded, silty soft sand. Dry, no odor, no organics (SW). (85') - Reddish brown, medium stiff, subrounded, small to medium clay nodules with 65% fine, clayey soft, loose silty clay. Dry, no odor, no organics (CL). (35') - Pinkish tan, very loose, well graded, silty soft sand. Dry, no odor, no organics (SW). (90') - Reddish brown, medium stiff, subrounded, small clay nodules with 55% fine, clayey soft, loose 90 (40') - Pale red, weakly cemented, subrounded, small silty clay. Dry, no odor, no organics (CL). to medium sand nodules with 80% coarse, loose, silty soft sand. Dry, no odor, no organics (SM). (95') - Reddish brown, medium stiff, subrounded, small clay nodules with 90% fine, clayey soft, loose silty clay. Dry, no odor, no organics (ML). (45') - Pale red, weakly cemented, subrounded, small sand nodules with 85% coarse, loose, silty soft sand. Dry, no odor, no organics (SM). (105') - Reddish brown, medium stiff, subrounded, small clay nodules with 80% fine, clayey soft, loose silty clay. Dry, no odor, no organics (ML)

Comments: (01/31/25) Boring terminated at 105' bgs at 10:00 A.M. Mountain Time with no presence of groundwater or moisture.







WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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	LOCATION 219 / 205 R 91 Sec 20 WELL TAG ID NO. NA PAGE 1 OF 2										

	7		Т						
	DEPTH (feet bgl)		ļ	COLOR AND TYPE OF MATERIAL ENCOUNTERE	n		ESTIMATED		
			THICKNESS	INCLUDE WATER-BEARING CAVITIES OR FRACTURE		WATER BEARING?	YIELD FOR		
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	PUMI	AI	R LIFT	BAILER OTHER-SPECIFY: NOT Tested	(WEI	LL YIELD (gpm):	0.00		
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ы	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT								
SIGNATURE	RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.								
NA.	1	1 1	1 .	•					
SIG	/k .	12	m	John D. Norcer	11-	-4-21			
9	-yv	CICNIATU	DE OF DRIVE			0 41			
i		SIGNATU	VE OL DKITTEK	/ PRINT SIGNEE NAME		DATE			
FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/2019)									
FILE NO. 1 POD NO. 4 TRN NO. 689366									
LOC	ATION	714	T705	0711= (7)	<u> </u>	1/A	PAGE 2 OF 2		
		<u>- 1 </u>		XS9 - Sec (1) WELL TAG ID	NU.	V/	TAGE Z OF Z		

John R. D Antonio, Jr., P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

689366

File Nbr:

CP 01867

Well File Nbr: CP 01867 POD4

May. 13, 2021

VERNON K BLACK HUNGRY HORSE LLC PO BOX 1058 HOBBS, NM 88241

Greetings:

The above numbered permit was issued in your name on 03/08/2021.

The Well Record was received in this office on 05/13/2021, stating that it had been completed on 04/09/2021, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed_on or before 03/08/2022.

c.

If you have any questions, please feel free to contact us.

Singerel

Andrew Dennis (575) 622 - 6521

drywell



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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 323345103351101

 $\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

USGS 323345103351101 20S.34E.17.33442

Lea County, New Mexico Latitude 32°34'00", Longitude 103°35'14" NAD27

Land-surface elevation 3,639.00 feet above NGVD29 The depth of the well is 160 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1965-11-16		D	62610		3508.78	NGVD29	1	Z			
1965-11-16		D	62611		3510.34	NAVD88	1	Z			
965-11-16		D	72019	130.22			1	Z			
.968-03-19		D	62610		3510.30	NGVD29	1	Z			
1968-03-19		D	62611		3511.86	NAVD88	1	Z			
1968-03-19		D	72019	128.70			1	Z			
971-02-03		D	62610		3495.28	NGVD29	Р	Z			
971-02-03		D	62611		3496.84	NAVD88	Р	Z			
.971-02-03		D	72019	143.72			Р	Z			
972-10-02		D	62610		3508.62	NGVD29	P	Z			
1972-10-02		D	62611		3510.18	NAVD88	Р	Z			
1972-10-02		D	72019	130.38			P	Z			
1976-01-28		D	62610		3506.83	NGVD29	1	Z			
1976-01-28		D	62611		3508.39	NAVD88	1	Z			
1976-01-28		D	72019	132.17			1	Z			
1981-02-19		D	62610		3508.61	NGVD29	1	Z			
1981-02-19		D	62611		3510.17	NAVD88	1	Z			
1981-02-19		D	72019	130.39			1	Z			
1986-04-01		D	62610		3508.26	NGVD29	1	Z			
1986-04-01		D	62611		3509.82	NAVD88	1	Z			
1986-04-01		D	72019	130.74			1	Z			
1996-01-26		D	62610		3511.42	NGVD29	1	S			
1996-01-26		D	62611		3512.98	NAVD88	1	S			
1996-01-26		D	72019	127.58			1	S			

Date	Time	? Water-level date-time accuracy	? Param code	eter	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho meası
Parameter code			62611	Groundwate	r level above NAVE	1988, feet			
Parameter code			72019	Depth to wa	iter level, feet belo	w land surface			
Referenced vertical	datum		NAVD88	North Amer	ican Vertical Datum	of 1988			
Referenced vertical	datum	1	NGVD29	National Ge	odetic Vertical Datu	ım of 1929			
Status			1	Static					
Status			Р	Pumping					
Method of measure	ment		S	Steel-tape r	neasurement.				
Method of measure	ment		Z	Other.					
Measuring agency				Not determi	ned				
Source of measurer	ment			Not determi	ned				
Water-level approva	al status		Α	Approved fo	r publication Pro	cessing and review cor	npleted.		

<u>Questions or Comments</u> <u>Help</u> Data Tips
Explanation of terms
Subscribe for system changes

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-12-17 11:18:56 EST
0.42 0.32 nadww02





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USGS Water Resources

Groundwater ✓ New Mexico **∨** GO

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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323336103322501

$\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

USGS 323336103322501 20S.34E.22.222333

Lea County, New Mexico Latitude 32°33'36", Longitude 103°32'25" NAD27

Land-surface elevation 3,663 feet above NAVD88

The depth of the well is 250 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
965-11-17		D	62610		3483.69	NGVD29	P	Z			
965-11-17		D	62611		3485.25	NAVD88	P	Z			
.965-11-17		D	72019	177.75			Р	Z			
1966-03-02		D	62610		3491.87	NGVD29	Р	Z			
966-03-02		D	62611		3493.43	NAVD88	Р	Z			
.966-03-02		D	72019	169.57			Р	Z			
1968-03-21		D	62610		3494.74	NGVD29	1	Z			
.968-03-21		D	62611		3496.30	NAVD88	1	Z			
1968-03-21		D	72019	166.70	2446.46	NGVP20	1	Z			
1971-02-03		D	62610		3446.46	NGVD29	P P	Z			
1971-02-03 1971-02-03		D D	62611 72019	214.98	3448.02	NAVD88	P P	Z Z			
1971-02-03		D	62610	214.98	3464.95	NGVD29	P	Z			
1972-10-02		D	62611		3466.51	NAVD88	P	Z			
1972-10-02		D	72019	196.49	3 100.31	14/14/2000	P	Z			
1981-02-26		D	62610		3495.31	NGVD29	P	Z			
1981-02-26		D	62611		3496.87	NAVD88	P	Z			
981-02-26		D	72019	166.13			Р	Z			

Explanation

	Section	Code	Description
1	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

Section	Code	Description
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions or Comments Help Data Tips

Explanation of terms
Subscribe for system changes

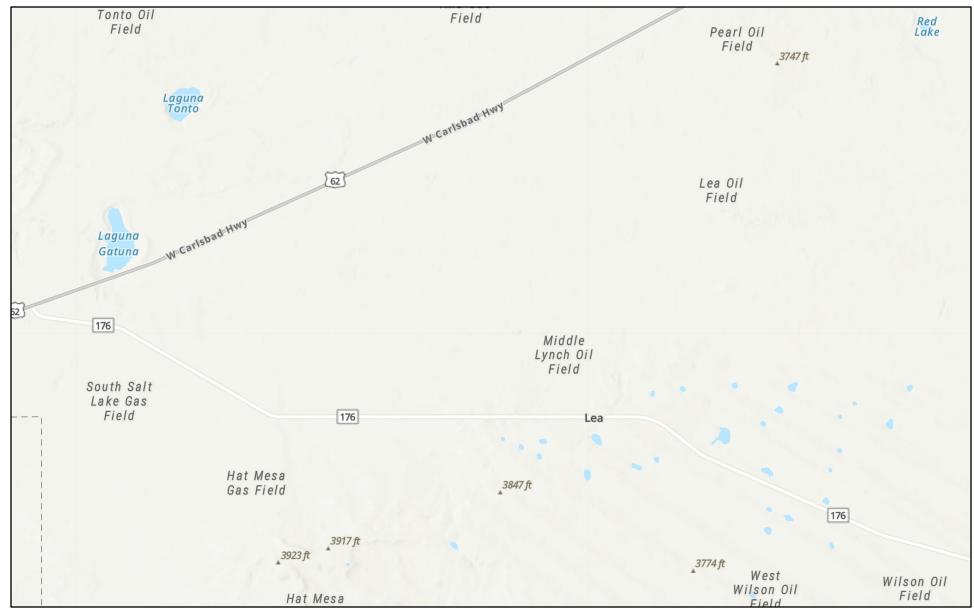
FOIA Privacy Accessibility Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2024-12-17 11:22:41 EST 0.39 0.27 nadww02

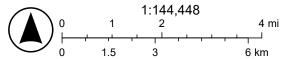


Paloma 21 Federal Battery (12.11.2024)



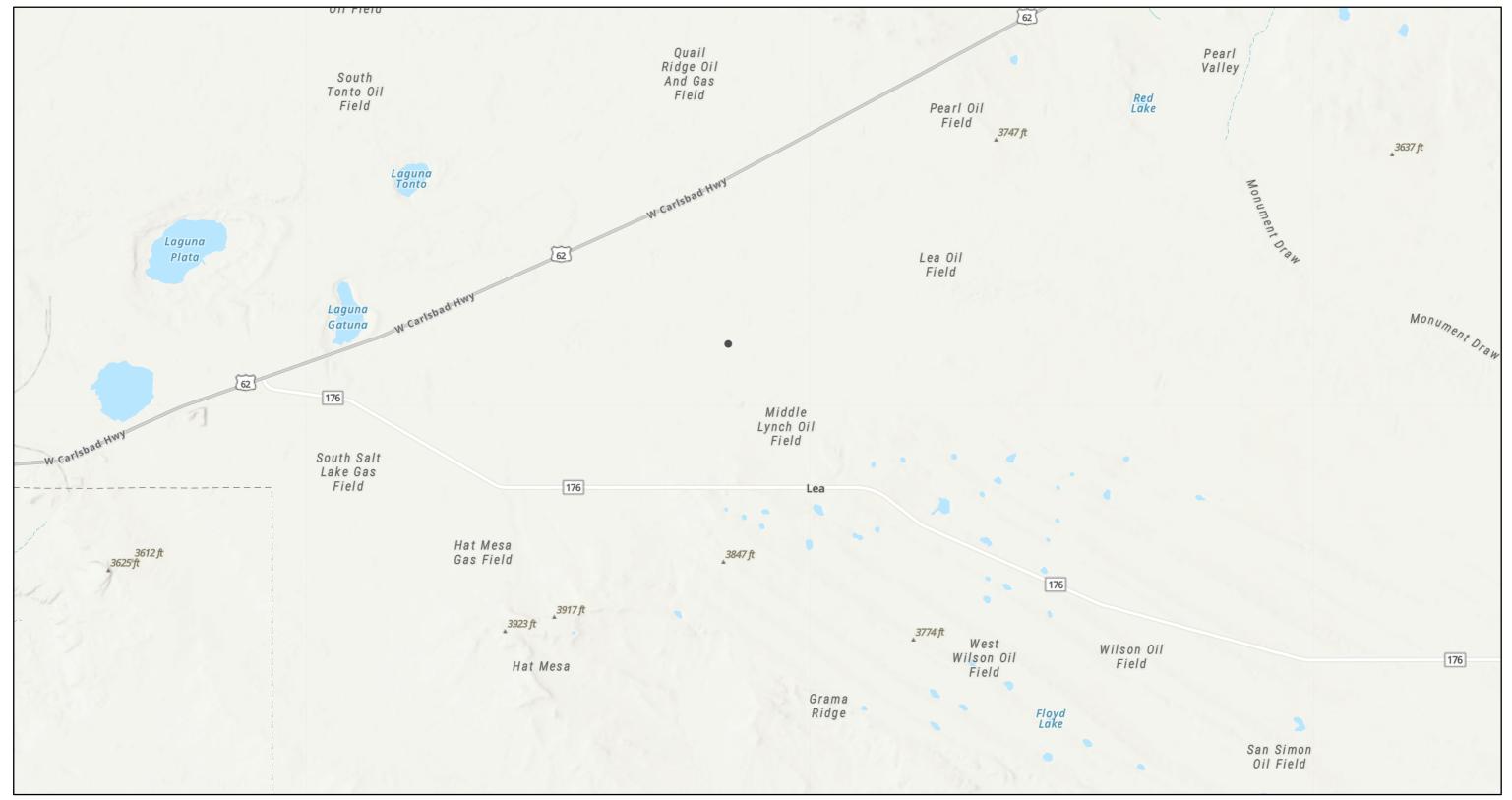
12/17/2024

World Hillshade



Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS,

Paloma 21 Federal Battery (12.11.2024)



12/17/2024, 8:31:17 AM

1:144,448

0 1.5 3 6 mi

0 1.5 3 6 mi 0 2.5 5 10 km

Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

APPENDIX E

CARMONA RESOURCES

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/2/2025 4:00:51 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52601-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/2/2025 4:00:51 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52601-1 SDG: 2608

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Definitions/Glossary

Job ID: 880-52601-1 Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: 2608

Qualifiers

GC VOA Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

%R

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

CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Percent Recovery

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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA Minimum Detectable Concentration (Radiochemistry) MDC

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**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52601-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1 Eurofins Midland

Job Narrative 880-52601-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-98971 and analytical batch 880-99258 was outside control limits. Sample non-homogeneity is suspected.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-98962/2-A) and (LCSD 880-98962/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-98962 and analytical batch 880-99128 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98896 and analytical batch 880-98925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

Client Sample ID: T-1 (0-1')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52601-1

12/27/24 13:55

Prepared

D

12/31/24 23:54

Analyzed

12/27/24 11:34

Dil Fac

Matrix: Solid

Method: SW846 8021B - Volatil	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
m-Xylene & p-Xylene	<0.00399	U F2	0.00399		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 14:35	01/02/25 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/27/24 14:35	01/02/25 12:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/27/24 14:35	01/02/25 12:00	1
Method: TAL SOP Total BTEX -	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 12:00	1
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1460		49.8		mg/Kg			12/31/24 23:54	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/27/24 13:55	12/31/24 23:54	1
(GRO)-C6-C10									
Diesel Range Organics (Over	1180		49.8		mg/Kg		12/27/24 13:55	12/31/24 23:54	1
C10-C28)									
Oil Range Organics (Over	276		49.8		mg/Kg		12/27/24 13:55	12/31/24 23:54	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103								

Client Sample ID: T-2 (0-1') Lab Sample ID: 880-52601-2 Date Collected: 12/19/24 00:00 **Matrix: Solid**

RL

10.1

MDL Unit

mg/Kg

70 - 130

110

245

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Received: 12/23/24 12:41

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 12:21	
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 12:21	•
Ethylbenzene	0.0418		0.00202		mg/Kg		12/27/24 14:35	01/02/25 12:21	•
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 14:35	01/02/25 12:21	
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 12:21	•
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/27/24 14:35	01/02/25 12:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	86		70 - 130				12/27/24 14:35	01/02/25 12:21	
1,4-Difluorobenzene (Surr)	79		70 ₋ 130				12/27/24 14:35	01/02/25 12:21	

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

12/27/24 11:40

SDG: 2608

Client Sample ID: T-2 (0-1') Lab Sample ID: 880-52601-2 Date Collected: 12/19/24 00:00

Matrix: Solid

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	0.0418		0.00404		mg/Kg			01/02/25 12:21	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<49.7	U	49.7		mg/Kg			01/01/25 00:15	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
asoline Range Organics	<49.7	U	49.7		mg/Kg		12/27/24 13:55	01/01/25 00:15	1
GRO)-C6-C10									
iesel Range Organics (Over	<49.7	U	49.7		mg/Kg		12/27/24 13:55	01/01/25 00:15	•
10-C28)									
il Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/27/24 13:55	01/01/25 00:15	1
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Chlorooctane	83	-	70 - 130				12/27/24 13:55	01/01/25 00:15	
-Terphenyl	102		70 - 130				12/27/24 13:55	01/01/25 00:15	1

Client Sample ID: T-3 (0-1') Lab Sample ID: 880-52601-3 Date Collected: 12/19/24 00:00 **Matrix: Solid**

99.8

mg/Kg

9080

Date Received: 12/23/24 12:41

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:39	12/26/24 19:38	
Toluene	< 0.00199	U	0.00199		mg/Kg		12/26/24 08:39	12/26/24 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:39	12/26/24 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/26/24 08:39	12/26/24 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/26/24 08:39	12/26/24 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/26/24 08:39	12/26/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/26/24 08:39	12/26/24 19:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/26/24 08:39	12/26/24 19:38	1
Method: TAL SOP Total BTEX	- Total BTEX Cald								·
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 12/26/24 19:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u>D</u>		Analyzed 12/26/24 19:38 Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 12/26/24 19:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.0		mg/Kg		Prepared	Analyzed 12/26/24 19:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.0 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared	Analyzed 12/26/24 19:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.0 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/26/24 19:38 Analyzed 01/01/25 00:36	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.0 diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00398 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 12/26/24 19:38 Analyzed 01/01/25 00:36 Analyzed	Dil Fa

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Client Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

Client Sample ID: T-3 (0-1')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41 **Lab Sample ID: 880-52601-3**

Matrix: Solid

Dil Fac

Method: SW846 8015E	3 NM - Diesel Ra	ange Orgai	nics (DRO) (G	iC) (Continue	ed)				
Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Oil Range Organics (Over C	28-C36)	<50.0	U	50.0		mg/Kg	_	12/27/24 13:55	01/01/25 00:36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/27/24 13:5	5 01/01/25 00:36	1
o-Terphenyl	106		70 - 130	12/27/24 13:5	5 01/01/25 00:36	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3490	49.8	mg/Kg			12/30/24 16:56	5

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Surrogate Summary

Client: Carmona Resources Job ID: 880-52601-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52601-1	T-1 (0-1')	108	90	
380-52601-1 MS	T-1 (0-1')	104	110	
380-52601-1 MSD	T-1 (0-1')	91	99	
380-52601-2	T-2 (0-1')	86	79	
380-52601-3	T-3 (0-1')	107	104	
890-7514-A-1-A MS	Matrix Spike	101	99	
890-7514-A-1-B MSD	Matrix Spike Duplicate	102	103	
LCS 880-98773/1-A	Lab Control Sample	99	102	
_CS 880-98971/1-A	Lab Control Sample	100	100	
LCSD 880-98773/2-A	Lab Control Sample Dup	101	97	
LCSD 880-98971/2-A	Lab Control Sample Dup	113	99	
MB 880-98773/5-A	Method Blank	104	100	
MB 880-98971/5-A	Method Blank	96	93	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52601-1	T-1 (0-1')	103	110	
880-52601-2	T-2 (0-1')	83	102	
880-52601-3	T-3 (0-1')	90	106	
890-7507-A-2-D MS	Matrix Spike	89	94	
890-7507-A-2-E MSD	Matrix Spike Duplicate	85	90	
LCS 880-98962/2-A	Lab Control Sample	136 S1+	148 S1+	
LCSD 880-98962/3-A	Lab Control Sample Dup	149 S1+	165 S1+	
MB 880-98962/1-A	Method Blank	95	110	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98773/5-A

Lab Sample ID: LCS 880-98773/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 98775

Analysis Batch: 98775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98773

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 12:17	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/26/24 08:39	12/26/24 12:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/26/24 08:39	12/26/24 12:17	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98773

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1056 mg/Kg 106 70 - 130 Toluene 0.100 0.09985 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1001 mg/Kg 100 70 - 130 0.200 100 70 - 130 m-Xylene & p-Xylene 0.2006 mg/Kg 0.100 70 - 130 o-Xylene 0.1012 mg/Kg 101

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 98775

Lab Sample ID: LCSD 880-98773/2-A

Prep Type: Total/NA Prep Batch: 98773

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1052		mg/Kg		105	70 - 130	0	35	
Toluene	0.100	0.09964		mg/Kg		100	70 - 130	0	35	
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	0	35	
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	0	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	101		70 - 130		
1.4-Difluorobenzene (Surr)	97		70 - 130		

Lab Sample ID: 890-7514-A-1-A MS

Matrix: Solid

Analysis Batch: 98775

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

Prep Batch: 98773

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1098		mg/Kg	_	110	70 - 130	
Toluene	<0.00199	U	0.0996	0.1042		mg/Kg		105	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

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

Lab Sample ID: 890-7514-A-1-A MS

Lab Sample ID: 890-7514-A-1-B MSD

Matrix: Solid

Analysis Batch: 98775

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98773

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2102		mg/Kg		106	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1057		mg/Kg		106	70 - 130	

MS MS

Surrogate	%Recovery Qual	ifier Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98773

Matrix: Solid Analysis Batch: 98775

Sample Sample Spike MSD MSD RPD %Rec Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit 0.101 Benzene <0.00199 U 0.1132 mg/Kg 112 70 - 130 3 35 Toluene <0.00199 U 0.101 0.1071 106 70 - 130 35 mg/Kg 3 107 Ethylbenzene <0.00199 U 0.101 0.1076 mg/Kg 70 - 130 3 35 m-Xylene & p-Xylene <0.00398 U 0.202 0.2164 107 70 - 130 35 mg/Kg 3 0.101 o-Xylene <0.00199 U 0.1088 108 70 - 130 mg/Kg 3

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-98971/5-A

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98971

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	70 - 130	12/27/24 14:35	01/02/25 11:38	1
1,4-Difluorobenzene (Surr)	93	70 - 130	12/27/24 14:35	01/02/25 11:38	1

Lab Sample ID: LCS 880-98971/1-A

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98971

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09628		mg/Kg		96	70 - 130	
Toluene	0.100	0.09228		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.08776		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130	

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

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

Lab Sample ID: LCS 880-98971/1-A **Matrix: Solid**

Analysis Batch: 99258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98971

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0.09339 93 70 - 130 o-Xylene mg/Kg

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

Lab Sample ID: LCSD 880-98971/2-A

Matrix: Solid

m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 99258

Lab Sample ID: 880-52601-1 MS

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98971

25

24

Spike LCSD LCSD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.100 0.1108 mg/Kg 111 70 - 130 14 35 Toluene 0.100 0.1158 mg/Kg 116 70 - 130 23 35 Ethylbenzene 0.100 0.1127 mg/Kg 113 70 - 130 25 35

0.2180

0.1188

mg/Kg

mg/Kg

0.200

0.100

35

35

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 113 70 - 130 1,4-Difluorobenzene (Surr) 99 70 - 130

70 - 130

70 - 130

109

119

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 99258 Prep Batch: 98971

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.0996	0.1153		mg/Kg		116	70 - 130	
Toluene	<0.00200	U	0.0996	0.09901		mg/Kg		99	70 - 130	
Ethylbenzene	<0.00200	U	0.0996	0.1103		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F2	0.199	0.2499		mg/Kg		125	70 - 130	
o-Xylene	<0.00200	U	0.0996	0.08876		mg/Kg		89	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 110

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Analysis Batch: 99258									Prep	Batch:	98971
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.101	0.1072		mg/Kg		106	70 - 130	7	35
Toluene	<0.00200	U	0.101	0.09849		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.101	0.08720		mg/Kg		87	70 - 130	23	35
m-Xylene & p-Xylene	<0.00399	U F2	0.202	0.1604	F2	mg/Kg		80	70 - 130	44	35
o-Xylene	<0.00200	U	0.101	0.08525		mg/Kg		85	70 - 130	4	35

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Lab Sample ID: 880-52601-1 MSD

Matrix: Solid

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

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

Lab Sample ID: 880-52601-1 MSD

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 98971

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	91	70 - 130
1.4-Difluorobenzene (Surr)	99	70 - 130

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

Lab Sample ID: MB 880-98962/1-A

Matrix: Solid

Analysis Batch: 99128

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98962

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/27/24 13:55	12/31/24 19:49	1
o-Terphenyl	110		70 - 130	12/27/24 13:55	12/31/24 19:49	1

Lab Sample ID: LCS 880-98962/2-A

Matrix: Solid

Analysis Batch: 99128

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

Prep Batch: 98962

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	877.4		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	953.8		mg/Kg		95	70 - 130	
C10-C28)								

LCS LCS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 136 S1+ o-Terphenyl 148 S1+ 70 - 130

Lab Sample ID: LCSD 880-98962/3-A

Matrix: Solid

Analysis Batch: 99128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 98962

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	943.1		mg/Kg		94	70 - 130	7	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1077		mg/Kg		108	70 - 130	12	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	149	S1+	70 - 130
o-Terphenyl	165	S1+	70 - 130

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

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

Lab Sample ID: 890-7507-A-2-D MS

Matrix: Solid

Analysis Batch: 99128

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 98962

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.7	U F1	993	730.9		mg/Kg		72	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.7	U	993	800.1		mg/Kg		81	70 - 130	
040,000)										

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	94		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98962

Matrix: Solid

Lab Sample ID: 890-7507-A-2-E MSD

Analysis Batch: 99128

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	993	699.1	F1	mg/Kg		69	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.7	U	993	769.8		mg/Kg		78	70 - 130	4	20

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 85 70 - 130 o-Terphenyl 90 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98896/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 98925

MB MB Analyte Result Qualifier MDL Unit Prepared Analyzed Chloride <10.0 U 10.0 12/27/24 10:47 mg/Kg

Lab Sample ID: LCS 880-98896/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98925

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Quali	fier Unit	D	%Rec	Limits	
Chloride	250	254.9	ma/Ka		102	90 - 110	

Lab Sample ID: LCSD 880-98896/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

Released to Imaging: 4/2/2025 4:25:06 PM

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	255.7		mg/Kg		102	90 - 110	0	20

Client: Carmona Resources

Job ID: 880-52601-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Client Sample ID: Matrix Spike

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52659-A-1-B MS

Matrix: Solid

Analysis Batch: 98925

•	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	358	F1	251	549.6	F1	mg/Kg		76	90 - 110	 	

Lab Sample ID: 880-52659-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 98925

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Limit Analyte Unit D %Rec Limits RPD Chloride 358 F1 251 549.2 F1 mg/Kg 76 90 - 110

Lab Sample ID: MB 880-98882/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 12/30/24 16:14 mg/Kg

Lab Sample ID: LCS 880-98882/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 236.9 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-98882/3-A

Matrix: Solid

Analysis Batch: 99064

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 237.1 mg/Kg 95 90 - 110 20

Lab Sample ID: 880-52600-A-2-C MS

Matrix: Solid

Analysis Batch: 99064

Sample Spike MS MS %Rec Sample Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits Chloride 79 6 248 321.3 mg/Kg 90 - 110

Lab Sample ID: 880-52600-A-2-D MSD

Matrix: Solid

Analysis Batch: 99064

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Added Analyte Result Qualifier Limits RPD Limit Unit D %Rec Chloride 79.6 248 322.3 mg/Kg 98 90 - 110 20

Eurofins Midland

Client Sample ID: Matrix Spike

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1 SDG: 2608

GC VOA

Prep Batch: 98773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-3	T-3 (0-1')	Total/NA	Solid	5035	
MB 880-98773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-3	T-3 (0-1')	Total/NA	Solid	8021B	98773
MB 880-98773/5-A	Method Blank	Total/NA	Solid	8021B	98773
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	8021B	98773
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98773
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	98773
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98773

Analysis Batch: 98937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-52601-2	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-52601-3	T-3 (0-1')	Total/NA	Solid	Total BTEX	

Prep Batch: 98971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	5035	
880-52601-2	T-2 (0-1')	Total/NA	Solid	5035	
MB 880-98971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52601-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-52601-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 99258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	8021B	98971
880-52601-2	T-2 (0-1')	Total/NA	Solid	8021B	98971
MB 880-98971/5-A	Method Blank	Total/NA	Solid	8021B	98971
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	8021B	98971
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98971
880-52601-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	98971
880-52601-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	98971

GC Semi VOA

Prep Batch: 98962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-52601-2	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-52601-3	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-98962/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98962/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

GC Semi VOA (Continued)

Prep Batch: 98962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-98962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7507-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7507-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	8015B NM	98962
880-52601-2	T-2 (0-1')	Total/NA	Solid	8015B NM	98962
880-52601-3	T-3 (0-1')	Total/NA	Solid	8015B NM	98962
MB 880-98962/1-A	Method Blank	Total/NA	Solid	8015B NM	98962
LCS 880-98962/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98962
LCSD 880-98962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98962
890-7507-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	98962
890-7507-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98962

Analysis Batch: 99342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-52601-2	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-52601-3	T-3 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-3	T-3 (0-1')	Soluble	Solid	DI Leach	
MB 880-98882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 98896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-52601-2	T-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-98896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-1	T-1 (0-1')	Soluble	Solid	300.0	98896
880-52601-2	T-2 (0-1')	Soluble	Solid	300.0	98896
MB 880-98896/1-A	Method Blank	Soluble	Solid	300.0	98896
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	300.0	98896
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98896
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	98896
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98896

Eurofins Midland

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QC Association Summary

Client: Carmona Resources Job ID: 880-52601-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

HPLC/IC

Analysis Batch: 99064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52601-3	T-3 (0-1')	Soluble	Solid	300.0	98882
MB 880-98882/1-A	Method Blank	Soluble	Solid	300.0	98882
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	300.0	98882
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98882
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	98882
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98882

Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

Client Sample ID: T-1 (0-1')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52601-1

Matrix: Solid

	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	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 12:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98937	01/02/25 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			99342	12/31/24 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	12/31/24 23:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98896	12/26/24 17:34	СН	EET MID
Soluble	Analysis	300.0		1			98925	12/27/24 11:34	CH	EET MID

Client Sample ID: T-2 (0-1')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Lab Sample ID: 880-52601-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98937	01/02/25 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			99342	01/01/25 00:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	01/01/25 00:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98896	12/26/24 17:34	СН	EET MID
Soluble	Analysis	300.0		10			98925	12/27/24 11:40	CH	EET MID

Client Sample ID: T-3 (0-1')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Lab Sample	ID: 880-52601-3
------------	-----------------

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98773	12/26/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98775	12/26/24 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98937	12/26/24 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			99342	01/01/25 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	01/01/25 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98882	12/26/24 16:16	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	99064	12/30/24 16:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52601-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date	
Texas	NELA	NELAP T104704400		06-30-25	
,	are included in this report, bu	nt the laboratory is not certif	fied by the governing authority. This lis	t may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52601-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52601-1	T-1 (0-1')	Solid	12/19/24 00:00	12/23/24 12:41
880-52601-2	T-2 (0-1')	Solid	12/19/24 00:00	12/23/24 12:41
880-52601-3	T-3 (0-1')	Solid	12/19/24 00:00	12/23/24 12:41

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Sample Identification Date Time Soil Water Comp Comt F Comp Comt Comt Comp Comt Comp Comt Comp Comt Comp Comt Comp Comt Comt Comp Comt Comt Comp Comt Comt	Project Manager: Co Company Name: Ca Address: 31! City, State ZIP: Mit Phone: 43 Project Name: Project Number: Number: Project Number: Number: Project Number: Number	onner Marmona armona idland, T 32-813-6 Paloma	aral Battery 2608 CRM	Y (12.11.24) Pexico Pics No Dat Dat	Bill to: (fr different) Company Name: Company Name: Company Name: Fasken Oil and I Fasken Oil and	C P	Parameters C P addison Mid 10 Fas Ra	Grant Huckabay & Add Fasken Oil and Ranch 6101 Holiday Hill Road Midland, Texas 79707 Ong@forl.com Chloride 300.0	and Ray Hill R Chloride 300.0	Grant Huckabay & Addison Guel Fasken Oil and Ranch 6101 Holiday Hill Road Midland, Texas 79707 Song@forl.com BTEX 8021B PH 8015M (Chloride 300.0		ANALYSIS REQUEST	REQ.	Work Program: UST/PST	m: US of Proj ables:	EDD		RP OR	A Da Drde	Order Comm	Page1o Work Order Comments PRP	ents pints prec □RRP Other Other reserva NO NO NO NO NO NO NO NO NO N	15505 161 5		Le Di W Meol HNO, Naor Naor S Acid: \$	ments RRP Level IV Other: Cool MeOH: Me HC HNO3: HN 4: H2 NaOH: Na 3/4: HP SO4: NABIS SO4: NASIO3 celate+NaOH: Zn H+Ascorbic Acid: SAPC	
Date Time Soil Water Comp Cont T	otal Containers:			Corrected Temp	erature:	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	+		PH 80													Na	NaOH+A	NaOH+Ascort	NaOH+Ascorbic A	NaOH+Ascorbic Acid:	NaOH+Ascorbic Acid: SAPC
12/19/2024	Sample Identif		Date	Time	Soll	_	_		+	×		+											Sa	Sample	Sample Cor	Sample Comm	Sample Comments
12/19/2024 X G 1 X X	1-1 (0-1) T-2 (0-1)		2/19/2024		××			+	-	××		\vdash	\vdash						П			\vdash					
	T-3 (0-1"		2/19/2024		×		\vdash	Н	+	×																	
												-	t							\top							
	Bonn .	Reli	nquished by	r: (Signature)			12	Dat /23/24	e/Time		8		H	Rece	ved by	(Sig	S Page	e)						12/2	10	10	
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Chain of Custody

Page 23 of 24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52601-1

SDG Number: 2608

List Source: Eurofins Midland

Login Number: 52601 List Number: 1 Creator: Lee, Randell

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	

True

N/A

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<6mm (1/4").

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/2/2025 4:01:21 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52602-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/2/2025 4:01:21 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52602-1 SDG: 2608

Table of Contents

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-52602-1

Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier Description

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

GC Semi VOA

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 S1+
 Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

o indicates the analyte was analyzed for but not detecte

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Existed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery

CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
POL Practical Quantitation

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

Eurofins Midland

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Case Narrative

Client: Carmona Resources Job ID: 880-52602-1

Project: Paloma 21 Federal Battery (12.11.24)

Eurofins Midland Job ID: 880-52602-1

Job Narrative 880-52602-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-1 (1.5') (880-52602-1). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-98962/2-A) and (LCSD 880-98962/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike (MS) recoveries for preparation batch 880-98962 and analytical batch 880-99128 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98896 and analytical batch 880-98925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Client Sample ID: T-1 (1.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52602-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:22	12/27/24 19:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:22	12/27/24 19:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:22	12/27/24 19:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/24 14:22	12/27/24 19:11	
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:22	12/27/24 19:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/24 14:22	12/27/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	47	S1-	70 - 130				12/27/24 14:22	12/27/24 19:11	1
1,4-Difluorobenzene (Surr)	143	S1+	70 - 130				12/27/24 14:22	12/27/24 19:11	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/27/24 19:11	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	<49.8	U	49.8		mg/Kg			01/01/25 01:17	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:17	1
C10-C28)	40.0		40.0				10/07/01 10 55	04/04/05 04 45	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/27/24 13:55	01/01/25 01:17	1
1-Chioroctane	00		70 = 100				12/21/21 10:00	0 0 20 0	•

Client Sample ID: T-2 (1.5') Lab Sample ID: 880-52602-2 Date Collected: 12/19/24 00:00 **Matrix: Solid**

RL

9.90

MDL Unit

mg/Kg

D

Prepared

Analyzed

12/27/24 11:58

Dil Fac

Date Received: 12/23/24 12:41

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

277

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:22	12/27/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/27/24 14:22	12/27/24 19:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/27/24 14:22	12/27/24 19:32	1

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Released to Imaging: 4/2/2025 4:25:06 PM

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Client Sample ID: T-2 (1.5') Lab Sample ID: 880-52602-2 Date Collected: 12/19/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/27/24 19:32	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	<49.8	U	49.8		mg/Kg			01/01/25 01:38	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:38	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 13:55	01/01/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				12/27/24 13:55	01/01/25 01:38	1
o-Terphenyl	100		70 - 130				12/27/24 13:55	01/01/25 01:38	1

Client Sample ID: T-3 (1.5') Lab Sample ID: 880-52602-3 Date Collected: 12/19/24 00:00 **Matrix: Solid**

RL

50.0

MDL Unit

mg/Kg

D

Prepared

Analyzed

12/27/24 12:04

Result Qualifier

3400

Date Received: 12/23/24 12:41

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/26/24 08:39	12/26/24 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/26/24 08:39	12/26/24 19:58	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				12/26/24 08:39	12/26/24 19:58	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	D	12/26/24 08:39 Prepared	Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00402	Qualifier U	RL 0.00402	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 sel Range Organ	Qualifier U	RL 0.00402		mg/Kg		Prepared	Analyzed 12/26/24 19:58	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg	<u>D</u>		Analyzed 12/26/24 19:58 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 12/26/24 19:58	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 12/26/24 19:58 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 12/26/24 19:58 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00402 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/26/24 19:58 Analyzed 01/01/25 01:58	Dil Fac Dil Fac

Eurofins Midland

Dil Fac

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Client Sample ID: T-3 (1.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41 Lab Sample ID: 880-52602-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:55	01/01/25 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/27/24 13:55	01/01/25 01:58	1
o-Terphenyl	103		70 - 130				12/27/24 13:55	01/01/25 01:58	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		49.7		mg/Kg			12/30/24 17:01	5

5

6

0

10

Surrogate Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (A
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52602-1	T-1 (1.5')	47 S1-	143 S1+	
880-52602-2	T-2 (1.5')	101	103	
880-52602-3	T-3 (1.5')	106	100	
880-52655-A-1-D MS	Matrix Spike	100	98	
880-52655-A-1-E MSD	Matrix Spike Duplicate	113	101	
890-7514-A-1-A MS	Matrix Spike	101	99	
890-7514-A-1-B MSD	Matrix Spike Duplicate	102	103	
LCS 880-98773/1-A	Lab Control Sample	99	102	
LCS 880-98920/1-A	Lab Control Sample	109	98	
LCSD 880-98773/2-A	Lab Control Sample Dup	101	97	
LCSD 880-98920/2-A	Lab Control Sample Dup	108	100	
MB 880-98773/5-A	Method Blank	104	100	
MB 880-98920/5-A	Method Blank	97	92	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limit
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-52602-1	T-1 (1.5')	86	104	
80-52602-2	T-2 (1.5')	84	100	
80-52602-3	T-3 (1.5')	86	103	
90-7507-A-2-D MS	Matrix Spike	89	94	
90-7507-A-2-E MSD	Matrix Spike Duplicate	85	90	
.CS 880-98962/2-A	Lab Control Sample	136 S1+	148 S1+	
CSD 880-98962/3-A	Lab Control Sample Dup	149 S1+	165 S1+	
MB 880-98962/1-A	Method Blank	95	110	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

2

5

7

9

11

13

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98773/5-A

Lab Sample ID: LCS 880-98773/1-A

Matrix: Solid

Xylenes, Total

Matrix: Solid

Analysis Batch: 98775

Analysis Batch: 98775

Client Sample ID: Method Blank

12/26/24 12:17

Prep Type: Total/NA

Prep Batch: 98773

ı		MB	MB							
l	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
l	Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
l	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
l	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
l	o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1

mg/Kg

MB MB

<0.00400 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	70 - 130	12/26/24 08:39	12/26/24 12:17	1
1 4-Difluorobenzene (Surr)	100	70 - 130	12/26/24 08:39	12/26/24 12:17	1

0.00400

Client Sample ID: Lab Control Sample

12/26/24 08:39

Prep Type: Total/NA

Prep Batch: 98773

Prep Type: Total/NA

Prep Batch: 98773

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1056 mg/Kg 106 70 - 130 Toluene 0.100 0.09985 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1001 mg/Kg 100 70 - 130 0.200 0.2006 100 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1012 70 - 130 o-Xylene mg/Kg 101

LCS LCS

Surrogate	%Recovery Q	ualifier Limits	
4-Bromofluorobenzene (Surr)	99	70 - 130	
1,4-Difluorobenzene (Surr)	102	70 - 130	

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 98775

Lab Sample ID: LCSD 880-98773/2-A

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1052		mg/Kg		105	70 - 130	0	35	
Toluene	0.100	0.09964		mg/Kg		100	70 - 130	0	35	
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	0	35	
o-Xvlene	0.100	0.1010		ma/Ka		101	70 130	0	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1.4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-7514-A-1-A MS

Matrix: Solid

Analysis Batch: 98775

Client	Sample I	D: N	/latrix	Spike
	Pren	Tvr	e: To	tal/NA

Prep Batch: 98773

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1098		mg/Kg		110	70 - 130	
Toluene	<0.00199	U	0.0996	0.1042		mg/Kg		105	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

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

Lab Sample ID: 890-7514-A-1-A MS

Lab Sample ID: 890-7514-A-1-B MSD

Matrix: Solid

Analysis Batch: 98775

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98773

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2102		mg/Kg		106	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1057		mg/Kg		106	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98773

Analysis Batch: 98775

Matrix: Solid

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1132		mg/Kg		112	70 - 130	3	35
Toluene	< 0.00199	U	0.101	0.1071		mg/Kg		106	70 - 130	3	35
Ethylbenzene	< 0.00199	U	0.101	0.1076		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2164		mg/Kg		107	70 - 130	3	35
o-Xylene	< 0.00199	U	0.101	0.1088		mg/Kg		108	70 - 130	3	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: MB 880-98920/5-A

Matrix: Solid

Analysis Batch: 98910

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

Prep Batch: 98920

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:46	12/27/24 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:46	12/27/24 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:46	12/27/24 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 09:46	12/27/24 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:46	12/27/24 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 09:46	12/27/24 11:27	1

MB MB

MB MB

Surrogate	%Recovery Q	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	12/27/24 09:46	12/27/24 11:27	1
1,4-Difluorobenzene (Surr)	92	70 - 130	12/27/24 09:46	12/27/24 11:27	1

Lab Sample ID: LCS 880-98920/1-A

Matrix: Solid

Analysis Batch: 98910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98920

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	
Toluene	0.100	0.1135		mg/Kg		114	70 - 130	
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2097		mg/Kg		105	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

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

Lab Sample ID: LCS 880-98920/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 98910 Prep Batch: 98920 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit %Rec Limits D o-Xylene 0.100 0 1151 115 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 109 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 98

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-98920/2-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 98910** Prep Batch: 98920

Spike LCSD LCSD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1261 mg/Kg 126 70 - 130 9 35 Toluene 0.100 0.1221 mg/Kg 122 70 - 130 35 Ethylbenzene 0.100 0.1169 mg/Kg 117 70 - 130 35 35 m-Xylene & p-Xylene 0.200 0.2228 mg/Kg 111 70 - 130 0.100 0.1223 122 70 - 130 o-Xylene mg/Kg

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

Lab Sample ID: 880-52655-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 98910

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1127		mg/Kg		113	70 - 130	
Toluene	< 0.00199	U	0.0996	0.1115		mg/Kg		112	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.1079		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2093		mg/Kg		105	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1128		mg/Kg		113	70 - 130	

Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 100 70 - 130 1,4-Difluorobenzene (Surr) 98

MS MS

Lab Sample ID: 880-52655-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Analysis Batch: 98910

Matrix: Solid

Analysis Batch: 98910									Prep	Batch:	98920
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1077	-	mg/Kg		107	70 - 130	5	35
Toluene	<0.00199	U	0.101	0.1108		mg/Kg		110	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1063		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2043		mg/Kg		101	70 - 130	2	35
o-Xylene	< 0.00199	U	0.101	0.1108		mg/Kg		110	70 - 130	2	35

Eurofins Midland

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 98920

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

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

Lab Sample ID: 880-52655-A-1-E MSD

Matrix: Solid

Analysis Batch: 98910

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98920

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 113 70 - 130 1,4-Difluorobenzene (Surr) 101 70 - 130

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

Lab Sample ID: MB 880-98962/1-A

Matrix: Solid

Analysis Batch: 99128

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98962

мв мв

	IIID	1110							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:55	12/31/24 19:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/27/24 13:55	12/31/24 19:49	1
o-Terphenyl	110		70 - 130	12/27/24 13:55	12/31/24 19:49	1

Lab Sample ID: LCS 880-98962/2-A

Matrix: Solid

Analysis Batch: 99128

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

Prep Batch: 98962

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	877.4		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	953.8		mg/Kg		95	70 - 130	
C10-C28)								

Spike

Added

1000

1000

LCSD LCSD

943.1

1077

Result Qualifier

Unit

mg/Kg

mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	148	S1+	70 - 130

Lab Sample ID: LCSD 880-98962/3-A

Matrix: Solid

Gasoline Range Organics

Analysis Batch: 99128

Client Sample ID: Lab Control Sample Dup

70 - 130

%Rec

94

108

Prep Type: Total/NA

Prep Batch: 98962

%Rec RPD

12

20

Limits Limit 70 - 130 20

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

Analyte

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	149	S1+	70 - 130
o-Terphenyl	165	S1+	70 - 130

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

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

Lab Sample ID: 890-7507-A-2-D MS

Matrix: Solid

Analysis Batch: 99128

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 98962

Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.7 UF1 993 730.9 mg/Kg 72 70 - 130 (GRO)-C6-C10 993 800.1 Diesel Range Organics (Over <49.7 U mg/Kg 81 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	89	70 - 130
o-Terphenyl	94	70 - 130

Lab Sample ID: 890-7507-A-2-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99128

Prep Type: Total/NA

Prep Batch: 98962

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.7	U F1	993	699.1	F1	mg/Kg		69	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.7	U	993	769.8		mg/Kg		78	70 - 130	4	20
C10 C28)											

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98896/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98925

MB MB

Analyte	Result Qu	ualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0 U	10.0	mg/Kg			12/27/24 10:47	1

Lab Sample ID: LCS 880-98896/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

-	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qual	ifier Unit	D	%Rec	Limits	
Chloride	250	254.9	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-98896/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
Chloride	250	255.7		mg/Kg	102	90 - 110	0	20

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52659-A-1-B MS

Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98925

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	358	F1	251	549.6	F1	mg/Kg		76	90 - 110	

Lab Sample ID: 880-52659-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 98925

		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Chloride	358	F1	251	549.2	F1	mg/Kg		76	90 - 110	0	20

Lab Sample ID: MB 880-98882/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 99064

мв мв

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0 U	10.0	mg/Kg			12/30/24 16:14	1

Lab Sample ID: LCS 880-98882/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 99064

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	236.9		mg/Kg	_	95	90 - 110	

Lab Sample ID: LCSD 880-98882/3-A

Matrix: Solid

Analysis Batch: 99064

	Spike	LCSD	LUGD				/onec		KFD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	237.1		mg/Kg		95	90 - 110	0	20	

Lab Sample ID: 880-52600-A-2-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99064

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	79.6		248	321.3		mg/Kg		98	90 - 110	

Lab Sample ID: 880-52600-A-2-D MSD

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 99064

Matrix: Solid

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	79.6		248	322.3		mg/Kg		98	90 - 110	0	20	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

GC VOA

Prep Batch: 98773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-3	T-3 (1.5')	Total/NA	Solid	5035	
MB 880-98773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-3	T-3 (1.5')	Total/NA	Solid	8021B	98773
MB 880-98773/5-A	Method Blank	Total/NA	Solid	8021B	98773
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	8021B	98773
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98773
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	98773
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98773

Analysis Batch: 98910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	8021B	98920
880-52602-2	T-2 (1.5')	Total/NA	Solid	8021B	98920
MB 880-98920/5-A	Method Blank	Total/NA	Solid	8021B	98920
LCS 880-98920/1-A	Lab Control Sample	Total/NA	Solid	8021B	98920
LCSD 880-98920/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98920
880-52655-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	98920
880-52655-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98920

Prep Batch: 98920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	5035	
880-52602-2	T-2 (1.5')	Total/NA	Solid	5035	
MB 880-98920/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98920/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98920/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52655-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-52655-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-52602-2	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-52602-3	T-3 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-52602-2	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-52602-3	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-98962/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98962/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

GC Semi VOA (Continued)

Prep Batch: 98962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-98962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7507-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7507-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	8015B NM	98962
880-52602-2	T-2 (1.5')	Total/NA	Solid	8015B NM	98962
880-52602-3	T-3 (1.5')	Total/NA	Solid	8015B NM	98962
MB 880-98962/1-A	Method Blank	Total/NA	Solid	8015B NM	98962
LCS 880-98962/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98962
LCSD 880-98962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98962
890-7507-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	98962
890-7507-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98962

Analysis Batch: 99343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-52602-2	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-52602-3	T-3 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-3	T-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-98882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 98896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Soluble	Solid	DI Leach	
880-52602-2	T-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-98896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-1	T-1 (1.5')	Soluble	Solid	300.0	98896
880-52602-2	T-2 (1.5')	Soluble	Solid	300.0	98896
MB 880-98896/1-A	Method Blank	Soluble	Solid	300.0	98896
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	300.0	98896
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98896
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	98896
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98896

Eurofins Midland

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Client: Carmona Resources Job ID: 880-52602-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

HPLC/IC

Analysis Batch: 99064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52602-3	T-3 (1.5')	Soluble	Solid	300.0	98882
MB 880-98882/1-A	Method Blank	Soluble	Solid	300.0	98882
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	300.0	98882
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98882
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	98882
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98882

Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Client Sample ID: T-1 (1.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52602-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98920	12/27/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98910	12/27/24 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98938	12/27/24 19:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			99343	01/01/25 01:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	01/01/25 01:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98896	12/26/24 17:34	CH	EET MID
Soluble	Analysis	300.0		1			98925	12/27/24 11:58	CH	EET MID

Lab Sample ID: 880-52602-2

Client Sample ID: T-2 (1.5') Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98920	12/27/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98910	12/27/24 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98938	12/27/24 19:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			99343	01/01/25 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	01/01/25 01:38	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98896	12/26/24 17:34	СН	EET MID
Soluble	Analysis	300.0		5			98925	12/27/24 12:04	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Lab Sample ID: 880-52602-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98773	12/26/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98775	12/26/24 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98938	12/26/24 19:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			99343	01/01/25 01:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98962	12/27/24 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99128	01/01/25 01:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98882	12/26/24 16:16	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	99064	12/30/24 17:01	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52602-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
	are included in this report, but ses not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52602-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52602-1	T-1 (1.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52602-2	T-2 (1.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52602-3	T-3 (1.5')	Solid	12/19/24 00:00	12/23/24 12:41

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State of Projec	Program: UST/			
6101 Holiday Hill Road	Fasken Oil and Ranch	Grant Huckabay & Addison Guekler		Chain of Custody
Address:	Company Name:	Bill to: (if different)		Chain

Project Manager:	Conner Moehring	۵			Bill to: (if different)		Grant H	uckabay	Grant Huckabay & Addison	Guekler					Nork O	Work Order Comments	ments		
	Carmona Resources	rces			Company Name		Fasken	Fasken Oil and Ranch				Prog	ram: US	T/PST	PRP	Program: UST/PST ☐PRP ☐ rownfields	s DRC	perfund	ا هٔ
	310 W Wall St Ste 500	te 500			Address:		6101 Holiday Hill Road	oliday Hi	Road			State	State of Project:	i:					
e ZIP:	Midland, TX 79701	01			City, State ZIP:		Midland	Midland, Texas 79707	9707			Repo	Reporting:Level III Level III			□st/ust	RRP	□LevelIV □	
Phone:	432-813-6823			Email	Email: Granth@forl.com & addisong@forl.com	om & addi	song@f	orl.com				Deliv	Deliverables: EDD	ED0 [ADaPT 🗆	Other:	ה	
Project Name:	Paloma 21 Federal Battery (12.11.24)	ederal Battery	(12.11.24)	Turn	Turn Around					ANA	ANALYSIS REQUEST	QUEST					Preserva	Preservative Codes	S
Project Number:		2608		Routine	Rush	Code										Non	None: NO	DI Water: H ₂ O	₇ 0
Project Location	Lea Co	Lea County, New Mexico	exico	Due Date:	Standard											Coo	Cool: Cool	MeOH: Me	(D
Sampler's Name:		CRM						RO)								НСГ	HCL: HC	HNO.: HN	_
PO#:)			rs		+ M								H ₂ S	H ₂ S0 ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	nete	18									H ₃ P	H₃PO₄: HP		
Received Intact:)			× ×	ran	802	O +								Nat	NaHSO ₄ : NABIS	S	
Cooler Custody Seals:	Yes	o (NUK)	Correction Factor.	מה.	1.0.1	Pá	ΓEX	-								Na	Na2S2O3: NaSO3	03	
Sample Custody Seals:	Yes	No Nia	Temperature Reading:	ading:	3.0		В	_								Zn /	Zn Acetate+NaOH: Zn	OH: Zn	
Total Containers:			Corrected Temperature:	erature:	5 %			1 801		_						Nac)H+Ascorb	NaOH+Ascorbic Acid: SAPC	O
Sample Identification	tification	Date	Time	Soil	Water Comp	/ # of p Cont		TPI									Sample	Sample Comments	
T-1 (1.5')	5')	12/19/2024		×	G	_	×	×				-							
T-2 (1.5')	.5')	12/19/2024		×	G		×	×											
T-3 (1.5')	.5')	12/19/2024		×	6	1	×	×											
								H											
								+	1	+		\dagger	1	+		-			
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Comments:								l							l				
5	R	Relinquished by: (Signature)	y: (Signature)				Date/Time	me		11	R	Receiyed by:	by: (Sigr	(Signature)				Date/Time	
Jours .	ngone	X				12/23/24	124		6	h	Bon	Charles and the	8				13/2	12/52	12
	,	(\dagger			+								+		

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-52602-1

SDG Number: 2608

Login Number: 52602 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

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JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52603-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52603-1

SDG: 2608

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Definitions/Glossary

Job ID: 880-52603-1 Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: 2608

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. ₩ Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid Duplicate Error Ratio (normalized absolute difference) DER Dil Fac **Dilution Factor** 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) Limit of Quantitation (DoD/DOE) LOQ 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 MOI 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 **Practical Quantitation Limit PQL**

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52603-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1 Eurofins Midland

Job Narrative 880-52603-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-98785 and 880-98969 and analytical batch 880-98922 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-98922 recovered under the lower control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (2') (880-52603-2) and (880-52663-A-1-D). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98896 and analytical batch 880-98925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Lab Sample ID: 880-52603-1

12/27/24 14:13

01/02/25 22:46

Matrix: Solid

Client Sample ID: T-1 (2')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 14:31	12/28/24 08:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/27/24 14:31	12/28/24 08:21	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 mg/Kg 12/28/24 08:21

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 01/02/25 22:46 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 12/27/24 14:13 01/02/25 22:46 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 12/27/24 14:13 01/02/25 22:46 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 12/27/24 14:13 01/02/25 22:46 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 80 70 - 130 12/27/24 14:13 01/02/25 22:46

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 284 10.0 12/27/24 12:10 mg/Kg

70 - 130

77

Client Sample ID: T-2 (2') Lab Sample ID: 880-52603-2 Date Collected: 12/19/24 00:00 **Matrix: Solid**

Date Received: 12/23/24 12:41

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/24 14:31	12/28/24 08:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	329	S1+	70 - 130				12/27/24 14:31	12/28/24 08:42	1
1.4-Difluorobenzene (Surr)	126		70 - 130				12/27/24 14:31	12/28/24 08:42	1

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1 SDG: 2608

Client Sample ID: T-2 (2')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52603-2

Matrix: Solid

Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
				INIDL					Dii Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/28/24 08:42	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	<49.9	U	49.9		mg/Kg			01/02/25 23:02	1
- Method: SW846 8015B NM - Dies	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		12/27/24 14:13	01/02/25 23:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 23:02	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/27/24 14:13	01/02/25 23:02	1
o-Terphenyl	78		70 - 130				12/27/24 14:13	01/02/25 23:02	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solub	le						
Analyte	• .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		9.98		mg/Kg			12/27/24 12:16	

Client Sample ID: T-3 (2') Lab Sample ID: 880-52603-3 **Matrix: Solid**

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	107		70 - 130				12/26/24 08:39	12/26/24 20:19	1
4-Bromofluorobenzene (Surr)	107								
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE) Analyte	105	culation Qualifier	70 ₋ 130	MDL	Unit	D	12/26/24 08:39 Prepared	12/26/24 20:19 Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE)	105		70 - 130						·
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE)	105	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>		12/26/24 20:19 Analyzed 12/26/24 20:19	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE) Analyte	105 (- Total BTEX Calc Result <0.00400	Qualifier U	70 - 130 RL 0.00400	MDL		<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	(- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U	70 - 130 RL 0.00400			<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di	(- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00400		mg/Kg		Prepared	Analyzed 12/26/24 20:19	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	C - Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00400 GC) RL 49.9		mg/Kg		Prepared	Analyzed 12/26/24 20:19 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	C - Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00400 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 12/26/24 20:19 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I	C - Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00400 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/26/24 20:19 Analyzed 01/02/25 23:17	Dil Fac

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Lab Sample ID: 880-52603-3

Matrix: Solid

Client Sample ID: T-3 (2')
Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

	ethod: SW846 8015B NM - Dies		•	, , ,	,	1114		D	A a b ad	D!! F
An	alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil	Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 23:17	1
Su	rrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-0	Chlorooctane	81		70 - 130				12/27/24 14:13	01/02/25 23:17	1
0-	Terphenyl	78		70 - 130				12/27/24 14:13	01/02/25 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3260		49.6		mg/Kg			12/30/24 17:07	5

Surrogate Summary

Client: Carmona Resources Job ID: 880-52603-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52603-1	T-1 (2')	113	96	
880-52603-2	T-2 (2')	329 S1+	126	
880-52603-3	T-3 (2')	107	105	
880-52663-A-1-B MS	Matrix Spike	130	98	
880-52663-A-1-C MSD	Matrix Spike Duplicate	112	103	
890-7514-A-1-A MS	Matrix Spike	101	99	
890-7514-A-1-B MSD	Matrix Spike Duplicate	102	103	
LCS 880-98773/1-A	Lab Control Sample	99	102	
LCS 880-98969/1-A	Lab Control Sample	116	89	
LCSD 880-98773/2-A	Lab Control Sample Dup	101	97	
LCSD 880-98969/2-A	Lab Control Sample Dup	108	105	
MB 880-98773/5-A	Method Blank	104	100	
MB 880-98785/5-A	Method Blank	153 S1+	83	
MB 880-98969/5-A	Method Blank	227 S1+	123	
Surrogate Legend				
BFB = 4-Bromofluorobenz	zene (Surr)			
	,			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-A-1-E MS	Matrix Spike	75	75	
880-52595-A-1-F MSD	Matrix Spike Duplicate	73	75	
880-52603-1	T-1 (2')	80	77	
880-52603-2	T-2 (2')	81	78	
880-52603-3	T-3 (2')	81	78	
LCS 880-98965/2-A	Lab Control Sample	121	119	
LCSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
MB 880-98965/1-A	Method Blank	72	70	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

Released to Imaging: 4/2/2025 4:25:06 PM

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98773/5-A

Lab Sample ID: LCS 880-98773/1-A

Lab Sample ID: LCSD 880-98773/2-A

Matrix: Solid

Matrix: Solid

o-Xylene

Analysis Batch: 98775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98773

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 08:39	12/26/24 12:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 08:39	12/26/24 12:17	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prep	ared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/26/24	4 08:39	12/26/24 12:17	1
1.4-Difluorobenzene (Surr)	100		70 - 130	12/26/2	4 08:39	12/26/24 12:17	1

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA

Prep Batch: 98773

Analysis Batch: 98775 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1056 mg/Kg 106 70 - 130 Toluene 0.100 0.09985 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1001 mg/Kg 100 70 - 130 70 - 130 0.200 100 m-Xylene & p-Xylene 0.2006 mg/Kg

0.1012

mg/Kg

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Client Sample ID: Lab Control Sample Dup

101

Matrix: Solid Analysis Batch: 98775 Prep Type: Total/NA Prep Batch: 98773

RPD LCSD LCSD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1052 mg/Kg 105 70 - 130 0 35 Toluene 0.100 0.09964 mg/Kg 100 70 - 130 0 35 Ethylbenzene 0.100 0.09999 mg/Kg 100 70 - 130 0 35 0.200 m-Xylene & p-Xylene 0.2007 mg/Kg 100 70 - 130 35 0.100 0.1010 o-Xylene mg/Kg 101 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1.4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-7514-A-1-A MS

Matrix: Solid

Analysis Batch: 98775

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

Prep Batch: 98773

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1098		mg/Kg		110	70 - 130	
Toluene	<0.00199	U	0.0996	0.1042		mg/Kg		105	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

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

Lab Sample ID: 890-7514-A-1-A MS

Lab Sample ID: 890-7514-A-1-B MSD

Matrix: Solid

Analysis Batch: 98775

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98773

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2102		mg/Kg		106	70 - 130	
o-Xylene	< 0.00199	U	0.0996	0.1057		mg/Kg		106	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98773

Matrix: Solid

Analysis Batch: 98775

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1132		mg/Kg		112	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.1071		mg/Kg		106	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.1076		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2164		mg/Kg		107	70 - 130	3	35
o-Xylene	<0.00199	U	0.101	0.1088		mg/Kg		108	70 - 130	3	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-98785/5-A

Matrix: Solid

Analysis Batch: 98922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98785

MB	MB
MB	Ν

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	12/26/24 09:36	12/27/24 13:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/26/24 09:36	12/27/24 13:00	1

Lab Sample ID: MB 880-98969/5-A

Matrix: Solid

Analysis Batch: 98922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98969

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

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

Lab Sample ID: MB 880-98969/5-A **Matrix: Solid**

Analysis Batch: 98922

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

Prep Batch: 98969

мв мв

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/27/24 14:31	12/28/24 00:36	1

MP MP

	IVID	IVID				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/27/24 14:31	12/28/24 00:36	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/27/24 14:31	12/28/24 00:36	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-98969/1-A **Matrix: Solid**

Analysis Batch: 98922

Prep Type: Total/NA

Prep Batch: 98969

	Spike	LUS	LUS				/orec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1005		mg/Kg		101	70 - 130	
Toluene	0.100	0.1016		mg/Kg		102	70 - 130	
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130	
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1.4-Difluorobenzene (Surr)	89	70 - 130

Lab Sample ID: LCSD 880-98969/2-A

Matrix: Solid

Analysis Batch: 98922

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

Prep Batch: 98969

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	7	35
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.09733		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1.4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-52663-A-1-B MS

Matrix: Solid

Analysis Batch: 98922

Client	Sample	ID: N	latrix	Spike	

Prep Type: Total/NA

Prep Batch: 98969

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.09767		mg/Kg		98	70 - 130	
Toluene	<0.00199	U	0.0996	0.08745		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08207		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.00818		0.199	0.2184		mg/Kg		106	70 - 130	
o-Xylene	0.00492		0.0996	0.1214		mg/Kg		117	70 - 130	

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

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

Lab Sample ID: 880-52663-A-1-B MS

Matrix: Solid

Analysis Batch: 98922

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98969

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98969

Lab Sample ID: 880-52663-A-1-C MSD

Matrix: Solid

Analysis Batch: 98922

MSD MSD

%Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 112 103 1,4-Difluorobenzene (Surr) 70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98965

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 12/27/24 14:13 01/02/25 20:05 (GRO)-C6-C10 <50.0 U 50.0 12/27/24 14:13 01/02/25 20:05 Diesel Range Organics (Over mg/Kg C10-C28) 01/02/25 20:05 Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 12/27/24 14:13

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 72 70 - 130 12/27/24 14:13 01/02/25 20:05 o-Terphenyl 70 70 - 130 12/27/24 14:13 01/02/25 20:05

Lab Sample ID: LCS 880-98965/2-A

Lab Sample ID: LCSD 880-98965/3-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98965

%Rec

Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1165 mg/Kg 117 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1091 mg/Kg 109 70 - 130

C10-C28)

LCS LCS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 121 70 - 130 o-Terphenyl 119

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 99298 Prep Batch: 98965

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1265 mg/Kg 127 70 - 130

(GRO)-C6-C10

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

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

Lab Sample ID: LCSD 880-98965/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 99298** Prep Batch: 98965

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D 1000 1187 119 70 - 130 20 Diesel Range Organics (Over mg/Kg 8

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 880-52595-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 99298** Prep Batch: 98965

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.0 U F1 996 557.0 F1 70 - 130 Gasoline Range Organics mg/Kg 56 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130 C10-C28)

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	75	70 - 130
o-Terphenyl	75	70 - 130

Lab Sample ID: 880-52595-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Batch: 98965 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics <50.0 U F1 996 544 6 F1 mg/Kg 55 70 - 130 2 20 (GRO)-C6-C10 <50.0 U F1 996 603.0 F1 61 70 - 130 20 Diesel Range Organics (Over mg/Kg C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98896/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

	MB	MB							
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	n	na/Ka			12/27/24 10:47	1

Lab Sample ID: LCS 880-98896/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

LCS LCS %Rec Spike Analyte babbA Result Qualifier %Rec Limits Unit Chloride 250 254.9 mg/Kg 102 90 - 110

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-98896/3-A

Lab Sample ID: 880-52659-A-1-B MS

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analysis Batch: 98925

Matrix: Solid

Matrix: Solid

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 255.7 mg/Kg 102 90 - 110 20

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analysis Batch: 98925

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 358 F1 251 549.6 F1 mg/Kg 76 90 - 110

Lab Sample ID: 880-52659-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 98925

MSD MSD RPD Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 358 F1 549.2 F1 251 mg/Kg 90 - 110

Lab Sample ID: MB 880-98882/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

мв мв

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac Chloride <10.0 10.0 12/30/24 16:14 mg/Kg

Lab Sample ID: LCS 880-98882/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 236.9 mg/Kg 95 90 - 110

Lab Sample ID: LCSD 880-98882/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 99064

Spike LCSD LCSD %Rec RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 237 1 mg/Kg 90 - 110

Lab Sample ID: 880-52600-A-2-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99064

MS MS %Rec Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Limits Unit %Rec Chloride 79.6 248 321.3 mg/Kg 98 90 - 110

Lab Sample ID: 880-52600-A-2-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

Released to Imaging: 4/2/2025 4:25:06 PM

. ,	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	79.6		248	322.3		mg/Kg		98	90 - 110	0	20

Eurofins Midland

Prep Type: Soluble

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1 SDG: 2608

GC VOA

Prep Batch: 98773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-3	T-3 (2')	Total/NA	Solid	5035	
MB 880-98773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-3	T-3 (2')	Total/NA	Solid	8021B	98773
MB 880-98773/5-A	Method Blank	Total/NA	Solid	8021B	98773
LCS 880-98773/1-A	Lab Control Sample	Total/NA	Solid	8021B	98773
LCSD 880-98773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98773
890-7514-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	98773
890-7514-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98773

Prep Batch: 98785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98785/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 98922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	8021B	98969
880-52603-2	T-2 (2')	Total/NA	Solid	8021B	98969
MB 880-98785/5-A	Method Blank	Total/NA	Solid	8021B	98785
MB 880-98969/5-A	Method Blank	Total/NA	Solid	8021B	98969
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	8021B	98969
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98969
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	98969
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98969

Analysis Batch: 98939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	Total BTEX	
880-52603-2	T-2 (2')	Total/NA	Solid	Total BTEX	
880-52603-3	T-3 (2')	Total/NA	Solid	Total BTEX	

Prep Batch: 98969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	5035	
880-52603-2	T-2 (2')	Total/NA	Solid	5035	
MB 880-98969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-52603-2	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-52603-3	T-3 (2')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	8015B NM	98965
880-52603-2	T-2 (2')	Total/NA	Solid	8015B NM	98965
880-52603-3	T-3 (2')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Total/NA	Solid	8015 NM	
880-52603-2	T-2 (2')	Total/NA	Solid	8015 NM	
880-52603-3	T-3 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98882

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-3	T-3 (2')	Soluble	Solid	DI Leach	
MB 880-98882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 98896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Soluble	Solid	DI Leach	
880-52603-2	T-2 (2')	Soluble	Solid	DI Leach	
MB 880-98896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-1	T-1 (2')	Soluble	Solid	300.0	98896
880-52603-2	T-2 (2')	Soluble	Solid	300.0	98896

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QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

HPLC/IC (Continued)

Analysis Batch: 98925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98896/1-A	Method Blank	Soluble	Solid	300.0	98896
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	300.0	98896
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98896
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	98896
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98896

Analysis Batch: 99064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52603-3	T-3 (2')	Soluble	Solid	300.0	98882
MB 880-98882/1-A	Method Blank	Soluble	Solid	300.0	98882
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	300.0	98882
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98882
880-52600-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	98882
880-52600-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98882

Eurofins Midland

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Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Client Sample ID: T-1 (2')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52603-1

Matrix: Solid

	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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 08:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98939	12/28/24 08:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			99422	01/02/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98896	12/26/24 17:34	СН	EET MID
Soluble	Analysis	300.0		1			98925	12/27/24 12:10	CH	EET MID

Lab Sample ID: 880-52603-2

Matrix: Solid

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Client Sample ID: T-2 (2')

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.98 g 5 mL 98969 12/27/24 14:31 MNR EET MID 8021B Total/NA 5 mL 12/28/24 08:42 **EET MID** Analysis 1 5 mL 98922 MNR Total/NA Total BTEX 98939 12/28/24 08:42 Analysis 1 SM **EET MID** Total/NA Analysis 8015 NM 99422 01/02/25 23:02 SM **EET MID** Total/NA 8015NM Prep 98965 Prep 10.02 g 10 mL 12/27/24 14:13 FΙ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 99298 01/02/25 23:02 TKC **EET MID** Soluble 5.01 g 12/26/24 17:34 Leach DI Leach 50 mL 98896 CH **EET MID** Soluble Analysis 300.0 98925 12/27/24 12:16 СН **EET MID**

Client Sample ID: T-3 (2')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52603-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98773	12/26/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98775	12/26/24 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98939	12/26/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			99422	01/02/25 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 23:17	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98882	12/26/24 16:16	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	99064	12/30/24 17:07	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52603-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority		am	Identification Number	Expiration Date
Texas	NELA)	T104704400	06-30-25
,	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Laboratory	
EET MID	

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52603-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52603-1	T-1 (2')	Solid	12/19/24 00:00	12/23/24 12:41
880-52603-2	T-2 (2')	Solid	12/19/24 00:00	12/23/24 12:41
880-52603-3	T-3 (2')	Solid	12/19/24 00:00	12/23/24 12:41

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	Chai
	n of Custody
880-52603 C	

Gom		Comments:					T-3 (2')	T-2 (2')	T-1 (2')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager.
Mole	R						(2')	(2')	(2')	ntification		Yes	Yes	Yes				Lea C		Paloma 21 Federal Battery (12.11.24)	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
7	Relinquished by: (Signature)						12/19/2024	12/19/2024	12/19/2024	Date		No N/A	SUA	3	Temp Blank:		CRM	Lea County, New Mexico	2608	ederal Batten		01	ite 500	ırces	g
	y: (Signature)									Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes (No)			exico		(12.11.24)					
							×	×	×	Soil	perature:	eading:	or.	ņ	Wet Ice:			Due Date:	Routine	Tur	Ema				
										Water	29	3,0	-0.1	Y X	Yes N			Standard	Rush	Turn Around	Email: Granth@forl.com & addisong@forl.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)
12/		-					G 1	G 1	G 1	Grab/ # of Comp Cont			Pi	aran	nete	rs		a	Code	,	оп.com & a	ΞÞ		ame:	rent)
12/23/24	Date/Time						×	×	×	# *		В	TEX	802	18				o r		ddisong@	Midlar	6101	Faske	Grant
	Time			-			×	×	×	TPI	1 801		(GF		DRO) + N	MRO)			ofori.com	Midland, Texas 79707	6101 Holiday Hill Road	Fasken Oil and Ranch	Grant Huckabay & Addiso
u							×	×	×				iiori	ue 3	00.0							79707	II Road	Ranch	& Addison
The	11			-																ANA					on Guekler
A																				LYSIS R					
who	Received by: (Signature)			-			-	-				_				-				ANALYSIS REQUEST	Deliv	Rep	Stat	Prog	Ι.
The second	by: (Sign					\downarrow															Deliverables: EDD	Reporting:Level II Level III	State of Project:	Jram: US	
0	ature)			-																$\left\{ \right.$] - -	유	r/PST 🔲	5
																								Ř □	ork Ord
			H		H		-				NaOF	Zn Ac	Na ₂ S	NaHS	H₃PO₄: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO		ADaPT 🗆	_}st/ust		Program: UST/PST □PRP □ rownfields □ RC	Work Order Comments
12/2										Sample (1+Ascorbic	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	4. HP	; H ₂	HC	Cool	NO	Preserva	Other:	RRP		□kRC	nents
27/24/	Date/Fime									Sample Comments	NaOH+Ascorbic Acid: SAPC	OH: Zn)3	S		NaOH: Na	HNO3: HN	МеОН: Ме	DI Water: H ₂ O	Preservative Codes	.,	□Level IV □		perfund	

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1/3/2025

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-52603-1

SDG Number: 2608

Login Number: 52603 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:46:45 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52604-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/3/2025 12:46:45 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (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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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52604-1 SDG: 2608

Table of Contents

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Definitions/Glossary

Job ID: 880-52604-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52604-1

Project: Paloma 21 Federal Battery (12.11.24)

Eurofins Midland Job ID: 880-52604-1

Job Narrative 880-52604-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources

Client Sample ID: T-3 (3') Date Collected: 12/19/24 00:00

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

Matrix: Solid

.ab	Sample	ID:	880-52604-3	

Method: SW846 8021B - Volatile	e Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/26/24 09:52	12/27/24 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/26/24 09:52	12/27/24 14:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/26/24 09:52	12/27/24 14:46	1
Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/27/24 14:46	
Analyte Total BTEX	<0.00399	Qualifier U	0.00399	MDL		<u>D</u>	Prepared		
Analyte Total BTEX Method: SW846 8015 NM - Dies	Result <0.00399	Qualifier U	0.00399	MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Result <0.00399	Qualifier U ics (DRO) (0.00399 GC)		mg/Kg		<u> </u>	12/27/24 14:46	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies	sel Range Organ Result <49.8 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO)	0.00399 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	12/27/24 14:46 Analyzed 01/02/25 23:34	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	sel Range Organ Result <49.8 esel Range Orga Result Result Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00399 GC) RL 49.8 (GC) RL		mg/Kg Unit mg/Kg Unit		Prepared Prepared	12/27/24 14:46 Analyzed 01/02/25 23:34 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Organ Result <49.8 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00399 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	12/27/24 14:46 Analyzed 01/02/25 23:34	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Organ Result <49.8 esel Range Orga Result Result Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00399 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	12/27/24 14:46 Analyzed 01/02/25 23:34 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <0.00399 sel Range Organ Result <49.8 esel Range Orga Result <49.8 <49.8	Qualifier U ics (DRO) (Qualifier U mics (DRO) Qualifier U	0.00399 RL 49.8 (GC) RL 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 23:34 Analyzed 01/02/25 23:34 01/02/25 23:34	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <0.00399 sel Range Organ Result <49.8 esel Range Orga Result <49.8	Qualifier U ics (DRO) (Qualifier U mics (DRO) Qualifier U	0.00399 RL 49.8 (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 12/27/24 14:13	Analyzed 01/02/25 23:34 Analyzed 01/02/25 23:34	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Result <0.00399 sel Range Organ Result <49.8 esel Range Orga Result <49.8 <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U U U	0.00399 RL 49.8 (GC) RL 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 23:34 Analyzed 01/02/25 23:34 01/02/25 23:34	Dil Fac

70 - 130

RL

100

MDL Unit

mg/Kg

80

5170

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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o-Terphenyl

Analyte

Chloride

12/27/24 14:13

Prepared

D

01/02/25 23:34

Analyzed

12/30/24 17:25

Dil Fac

Surrogate Summary

Client: Carmona Resources Job ID: 880-52604-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52604-3	T-3 (3')	107	103	
880-52615-A-1-A MS	Matrix Spike	104	104	
880-52615-A-1-B MSD	Matrix Spike Duplicate	101	102	
LCS 880-98790/1-A	Lab Control Sample	96	103	
LCSD 880-98790/2-A	Lab Control Sample Dup	105	98	
MB 880-98790/5-A	Method Blank	105	97	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			
DFBZ = 1,4-Difluorobenz	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-A-1-E MS	Matrix Spike	75	75	
880-52595-A-1-F MSD	Matrix Spike Duplicate	73	75	
880-52604-3	T-3 (3')	84	80	
LCS 880-98965/2-A	Lab Control Sample	121	119	
LCSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
MB 880-98965/1-A	Method Blank	72	70	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98790/5-A

Analysis Batch: 98909

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98790

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 09:52	12/27/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:52	12/27/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 09:52	12/27/24 11:20	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	105		70 - 130	12	/26/24 09:52	12/27/24 11:20	1
ı	1,4-Difluorobenzene (Surr)	97		70 - 130	12	/26/24 09:52	12/27/24 11:20	1

Lab Sample ID: LCS 880-98790/1-A

Matrix: Solid

Analysis Batch: 98909

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98790

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1100		mg/Kg		110	70 - 130	
Toluene	0.100	0.1050		mg/Kg		105	70 - 130	
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2069		mg/Kg		103	70 - 130	
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-98790/2-A

Matrix: Solid

Analysis Batch: 98909

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 98790

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1202		mg/Kg		120	70 - 130	9	35
Toluene	0.100	0.1139		mg/Kg		114	70 - 130	8	35
Ethylbenzene	0.100	0.1152		mg/Kg		115	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2330		mg/Kg		116	70 - 130	12	35
o-Xylene	0.100	0.1170		mg/Kg		117	70 - 130	10	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52615-A-1-A MS

Matrix: Solid

Analysis Batch: 98909

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98790

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1076		mg/Kg	_	108	70 - 130	
Toluene	< 0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130	

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

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

Lab Sample ID: 880-52615-A-1-A MS

Matrix: Solid

Analysis Batch: 98909

Client Sample	ID: Matrix Spil	ke
		-

Prep Type: Total/NA

Prep Batch: 98790

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00199	U	0.0996	0.1029		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2072		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1039		mg/Kg		104	70 - 130

MS MS

Surrogate	%Recovery Qu	alifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98790

Lab Sample ID: 880-52615-A-1-B MSD **Matrix: Solid**

Analysis Batch: 98909

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1098		mg/Kg		109	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.1022		mg/Kg		101	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.101	0.1019		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2032		mg/Kg		101	70 - 130	2	35
o-Xylene	<0.00199	U	0.101	0.1022		mg/Kg		101	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

Client	Sample	ID:	Method	Blank
Onone	Cumpic		mounou	Diami

Prep Type: Total/NA

Prep Batch: 98965

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit		Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/ł	Kg -	12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/ł	K g	12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/l	K g	12/27/24 14:13	01/02/25 20:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepai	red	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/27/24	14:13	01/02/25 20:05	1
o-Terphenyl	70		70 - 130	12/27/24	14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1165		mg/Kg		117	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130
C10-C28)							

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

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

Lab Sample ID: LCS 880-98965/2-A

Lab Sample ID: LCSD 880-98965/3-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98965

LCS LCS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 121
 70 - 130

 o-Terphenyl
 119
 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98965

Matrix: Solid
Analysis Batch: 99298

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1265 127 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1187 mg/Kg 119 70 - 1308 20 C10-C28)

LCSD LCSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 132
 S1+
 70 - 130

 o-Terphenyl
 129
 70 - 130

Lab Sample ID: 880-52595-A-1-E MS Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analysis Batch: 99298

Matrix: Solid

Allalysis Balcii. 99290

tch: 99298 Prep Batch: 98965
Sample Sample Spike MS MS %Rec

Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 996 557.0 F1 mg/Kg 56 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130

C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 75
 70 - 130

 o-Terphenyl
 75
 70 - 130

Lab Sample ID: 880-52595-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<50.0	U F1	996	544.6	F1	mg/Kg		55	70 - 130	2	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U F1	996	603.0	F1	mg/Kg		61	70 - 130	2	20	
C10 C20)												

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	75		70 - 130

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QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98882/1-A

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 99064

Matrix: Solid

мв мв

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 12/30/24 16:14

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-98882/2-A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 99064

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 236.9 mg/Kg 95 90 - 110

Lab Sample ID: LCSD 880-98882/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 99064

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 237.1 mg/Kg 90 - 110

Lab Sample ID: 880-52606-A-5-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

MS MS Sample Sample Spike %Rec Analyte Qualifier Added Result Result Qualifier Unit %Rec Limits Chloride 3190 2510 5875 107 90 - 110 mg/Kg

Lab Sample ID: 880-52606-A-5-C MSD

Matrix: Solid

Analysis Batch: 99064

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 3190 2510 5879 mg/Kg 107 90 - 110 0 20

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

GC VOA

Prep Batch: 98790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	5035	
MB 880-98790/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98790/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98790/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52615-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-52615-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	8021B	98790
MB 880-98790/5-A	Method Blank	Total/NA	Solid	8021B	98790
LCS 880-98790/1-A	Lab Control Sample	Total/NA	Solid	8021B	98790
LCSD 880-98790/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98790
880-52615-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	98790
880-52615-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98790

Analysis Batch: 99017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Soluble	Solid	DI Leach	
MB 880-98882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Page 12 of 19

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52606-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52606-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 99064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52604-3	T-3 (3')	Soluble	Solid	300.0	98882
MB 880-98882/1-A	Method Blank	Soluble	Solid	300.0	98882
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	300.0	98882
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98882
880-52606-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	98882
880-52606-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98882

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Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

Client Sample ID: T-3 (3')

Lab Sample ID: 880-52604-3

Matrix: Solid

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

	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	98790	12/26/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98909	12/27/24 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99017	12/27/24 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			99423	01/02/25 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 23:34	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98882	12/26/24 16:16	СН	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	99064	12/30/24 17:25	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52604-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	ım	Identification Number	Expiration Date	
Texas)	T104704400	06-30-25	
,	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This list	t may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
		Solid	Total BTEX		

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52604-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52604-3	T-3 (3')	Solid	12/19/24 00:00	12/23/24 12:41

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Project Manager:

Conner Moehring

City, State ZIP:	Address:	Company Name:	Bill to: (if different)			Cha
Midland, Texas 79707	6101 Holiday Hill Road	Fasken Oil and Ranch	Grant Huckabay & Addison Guekler			Chain of Custody
Reporting:Level III	State of Project:	Program: UST/PST PRP Drownfields RC perfund	Work Order Comments	Page 1 of	880-52604 Chain of Custody	
<		ā			\neg	

	10mm		Comments:						T-3 (3')	T-2 (3')	T-1 (3')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 4	ZIP:	Address: 3	Company Name: C	
1	Marky	Relinquished							12/19/2024	12/19/2024	12/19/2024	fication Date			Yes No NUA	Yes No	Temp Blank:		CRM	Lea County, New Mexico	2608	Paloma 21 Federal Battery (12.11.24)	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	c
		Relinquished by: (Signature)							4	.4	4	Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes No			/ Mexico		tery (12.11.24)					
									×	×	×	Soil	erature:	ading:	ה. ה):	Wet Ice:			Due Date:	Routine	Turn	Email:				
									G	G	G	Water Comp	2, 9	3.0	1.8	18.8	Yes No			Standard	Rush	Turn Around	Email: Granth@forl.com & addisong@forl.com	City, State ZIP:	Address:	Company Name:	
	12/23								_	1	1	# of		_	Pa	aran	nete	rs			Code		om & addi				
	124	Date/Time							×			TPI	H 801		TEX	_) + N	1RO)			song@for	Midland, T	6101 Holid	Fasken O	
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	1	Received by; (Signature)				-	1	-					ü									JEST	Deliverables: EDD	Reporting	State of Project:	Program:	
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					+		+	+																		□PRP [
					1	1	-			×	×		Na	Zn		OLD Na	H ₃	Н ₂	H	င့	NC		ADaPT 🗆	□st/ust		Program: UST/PST ☐PRP ☐ Prownfields	
1	0											Sample	OH+Ascor	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H ₃ PO ₄ : HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Preserv] Other.	RRP		lds □kRC	
1	12729	Date/Time										Sample Comments	NaOH+Ascorbic Acid: SAPC	laOH: Zn	SO ₃	BIS		NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes	ler.	P Level IV		C □perfund	

Login Sample Receipt Checklist

Client: Carmona Resources Job Number

Job Number: 880-52604-1 SDG Number: 2608

List Source: Eurofins Midland

Login Number: 52604

List Number: 1 Creator: Lee, Randell

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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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:45:05 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52599-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/3/2025 12:45:05 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52599-1 SDG: 2608

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-52599-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

MCL

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC MDL Method Detection Limit

Minimum Level (Dioxin) ML Most Probable Number MPN MQL Method Quantitation Limit NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

EPA recommended "Maximum Contaminant Level"

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit PQL Presumptive **PRES**

QC **Quality Control** RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52599-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1 Eurofins Midland

Job Narrative 880-52599-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Client Sample ID: T-3 (4')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

Lab Sample ID: 880-52599-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 13:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/24 08:43	12/27/24 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 13:58	1
Xylenes, Total	< 0.00401	U	0.00401		mg/Kg		12/27/24 08:43	12/27/24 13:58	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	12/27/24 08:43	12/27/24 13:58	1
1,4-Difluorobenzene (Surr)	93	70 - 130	12/27/24 08:43	12/27/24 13:58	1

Method: TAL SOP Total BTEX - Total	al BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/27/24 13:58	1

Method: SW846 8015 NM - Diesel Ra	ange Organ	ics (DRO) (G0	C)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/ł	Kg		01/02/25 22:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 22:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 22:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 14:13	01/02/25 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/27/24 14:13	01/02/25 22:30	1
o-Terphenyl	74		70 - 130				12/27/24 14:13	01/02/25 22:30	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9190	99.0	mg/Kg			12/28/24 03:00	10

Eurofins Midland

1/3/2025

Surrogate Summary

Client: Carmona Resources Job ID: 880-52599-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52599-3	T-3 (4')	116	93	
890-7511-A-4-D MS	Matrix Spike	100	98	
890-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
LCS 880-98912/1-A	Lab Control Sample	104	97	
LCSD 880-98912/2-A	Lab Control Sample Dup	100	96	
MB 880-98912/5-A	Method Blank	107	84	
Surrogate Legend				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-A-1-E MS	Matrix Spike	75	75	
880-52595-A-1-F MSD	Matrix Spike Duplicate	73	75	
880-52599-3	T-3 (4')	75	74	
LCS 880-98965/2-A	Lab Control Sample	121	119	
LCSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
MB 880-98965/1-A	Method Blank	72	70	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98912/5-A

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Matrix: Solid

Analysis Batch: 98908

Analysis Batch: 98908

Client Sample ID: Method Blank

12/27/24 11:13

12/27/24 11:13

Prep Type: Total/NA

Prep Batch: 98912

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1

mg/Kg

mg/Kg

MB MB

<0.00200 U

<0.00400 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/27/24 08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/27/24 08:43	12/27/24 11:13	1

0.00200

0.00400

Client Sample ID: Lab Control Sample

12/27/24 08:43

12/27/24 08:43

Prep Type: Total/NA

Prep Batch: 98912

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1057 mg/Kg 106 70 - 130 Toluene 0.100 0.1001 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1007 mg/Kg 101 70 - 130 0.200 0.2000 100 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1037 70 - 130 o-Xylene mg/Kg 104

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-98912/2-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 98908

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

Client	: Sample ID	: Matrix Spike
	Pren 1	Vne: Total/NA

Prep Batch: 98912

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1093		mg/Kg	_	110	70 - 130	
Toluene	<0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130	

Eurofins Midland

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QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

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

Lab Sample ID: 890-7511-A-4-D MS

Lab Sample ID: 890-7511-A-4-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98912

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00199	U	0.0996	0.1048		mg/Kg		105	70 - 130	
<0.00398	U	0.199	0.2103		mg/Kg		106	70 - 130	
< 0.00199	U	0.0996	0.1074		mg/Kg		108	70 - 130	
	Result <0.00199 <0.00398 <0.00199	Result Qualifier	Result Qualifier Added	Result Qualifier Added Result <0.00199	Result Qualifier Added Result Qualifier <0.00199	Result Qualifier Added Result Qualifier Unit <0.00199	Result Qualifier Added Result Qualifier Unit D <0.00199	Result Qualifier Added Result Qualifier Unit D %Rec <0.00199	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00199

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	100		70 - 130		
1,4-Difluorobenzene (Surr)	98		70 - 130		

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98912

RPD

Analysis Batch: 98908 Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.101 Benzene <0.00199 U 0.1106 mg/Kg 110 70 - 130 35 <0.00199 U 103 Toluene 0.101 0.1040 mg/Kg 70 - 130 35 Ethylbenzene <0.00199 U 0.101 0.1056 mg/Kg 105 70 - 130 35 <0.00398 U 0.202 0.2113 105 70 - 130 35 m-Xylene & p-Xylene mg/Kg 0 <0.00199 U 0.101 0.1078 107 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98965

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/27/24 14:13	01/02/25 20:05	1
o-Terphenyl	70		70 - 130	12/27/24 14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98965

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1165		mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130	
C10-C28)								

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

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

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 121 70 - 130 o-Terphenyl 119 70 - 130

Lab Sample ID: LCSD 880-98965/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA Prep Batch: 98965

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1265 127 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1187 mg/Kg 119 70 - 13020 8 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits S1+ 70 - 130 1-Chlorooctane 132 129 70 - 130 o-Terphenyl

Lab Sample ID: 880-52595-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

MS MS Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 996 557.0 F1 mg/Kg 56 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 75 70 - 130 o-Terphenyl 75

Lab Sample ID: 880-52595-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

RPD %Rec RPD Limit

Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits U F1 996 544.6 F1 55 Gasoline Range Organics <50.0 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U F1 996 603.0 F1 mg/Kg 61 70 - 130 2 20 C10-C28)

MSD MSD

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 73 70 - 130 75 70 - 130 o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98881/1-A

Matrix: Solid

Lab Sample ID: LCS 880-98881/2-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 98951

MB MB

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 12/28/24 00:10

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 98951

Matrix: Solid

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98951

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: 880-52592-A-41-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98951

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 418.2 F1 Chloride 106 F1 249 126 90 - 110 mg/Kg

Lab Sample ID: 880-52592-A-41-D MSD

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110 20

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

GC VOA

Analysis Batch: 98908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	8021B	98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98881

Г	011 / 0 1 15				5 5
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Soluble	Solid	DI Leach	
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52599-3	T-3 (4')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

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Lab Chronicle

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Leach

Analysis

Job ID: 880-52599-1

SDG: 2608

Lab Sample ID: 880-52599-3 Client Sample ID: T-3 (4') Date Collected: 12/19/24 00:00

Matrix: Solid

EET MID

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 98912 Total/NA Prep 4.99 g 5 mL 12/27/24 08:43 MNR **EET MID** 8021B Total/NA Analysis 1 5 mL 5 mL 98908 12/27/24 13:58 MNR **EET MID** Total/NA Analysis Total BTEX 99009 12/27/24 13:58 SM EET MID Total/NA 8015 NM 99421 01/02/25 22:30 **EET MID** Analysis 1 SM Total/NA 8015NM Prep 98965 12/27/24 14:13 EET MID Prep 10.03 g 10 mL EL Total/NA Analysis 8015B NM 1 uL 1 uL 99298 01/02/25 22:30 TKC **EET MID** Soluble DI Leach 5.05 g 50 mL 98881 12/26/24 16:15 СН EET MID

98951

12/28/24 03:00

СН

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Laboratory References:

Soluble

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

300.0

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52599-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52599-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52599-3	T-3 (4')	Solid	12/19/24 00:00	12/23/24 12:41

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A

Login Sample Receipt Checklist

Client: Carmona Resources Job Nu

Job Number: 880-52599-1 SDG Number: 2608

Login Number: 52599 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

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JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52598-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52598-1

SDG: 2608

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Definitions/Glossary

Job ID: 880-52598-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52598-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1 Eurofins Midland

Job Narrative 880-52598-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 12/23/2024 12:41 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources

Client Sample ID: T-3 (5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Lab Sample ID: 880-52598-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/24 08:43	12/27/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/27/24 08:43	12/27/24 13:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/27/24 08:43	12/27/24 13:38	1
Method: TAL SOP Total BTEX -	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								40/07/04 40:00	1
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/27/24 13:38	'
- -					mg/Kg			12/2//24 13:38	'
Total BTEX [Method: SW846 8015 NM - Diese Analyte	el Range Organ			MDL	mg/Kg Unit	D	Prepared	12/2//24 13:38 Analyzed	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0	ics (DRO) (Gualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U unics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg			Analyzed 01/02/25 22:14	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 01/02/25 22:14 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 01/02/25 22:14 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14 01/02/25 22:14	Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 12/27/24 14:13	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14	Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14 01/02/25 22:14	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 50.0 sel Range Orga Result 50.0 50.0 50.0 50.0	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14 01/02/25 22:14 01/02/25 22:14	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <80.0 %Recovery	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14 01/02/25 22:14 01/02/25 22:14 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ	ics (DRO) (Qualifier U unics (DRO) Qualifier U U Qualifier	GC) RL 50.0 GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	Analyzed 01/02/25 22:14 Analyzed 01/02/25 22:14 01/02/25 22:14 01/02/25 22:14 Analyzed 01/02/25 22:14	Dil Fac

50.1

2710

mg/Kg

12/28/24 02:55

Chloride

Surrogate Summary

Client: Carmona Resources Job ID: 880-52598-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52598-1	T-3 (5')	119	92	
890-7511-A-4-D MS	Matrix Spike	100	98	
890-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
LCS 880-98912/1-A	Lab Control Sample	104	97	
LCSD 880-98912/2-A	Lab Control Sample Dup	100	96	
MB 880-98912/5-A	Method Blank	107	84	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluorobenz	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-52595-A-1-E MS	Matrix Spike	75	75	
80-52595-A-1-F MSD	Matrix Spike Duplicate	73	75	
80-52598-1	T-3 (5')	82	79	
CS 880-98965/2-A	Lab Control Sample	121	119	
CSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
1B 880-98965/1-A	Method Blank	72	70	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98912/5-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98912

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1

MB MB

Surrogate	%Recovery C	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107	70 - 130	12/27/24 08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84	70 - 130	12/27/24 08:43	12/27/24 11:13	1

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98912

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1057 mg/Kg 106 70 - 130 Toluene 0.100 0.1001 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1007 mg/Kg 101 70 - 130 0.200 0.2000 100 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1037 70 - 130 o-Xylene mg/Kg 104

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-98912/2-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98912

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35	
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35	
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35	
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

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

Prep Batch: 98912

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1093		mg/Kg		110	70 - 130	
Toluene	< 0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130	

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

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

Lab Sample ID: 890-7511-A-4-D MS

Lab Sample ID: 890-7511-A-4-E MSD

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98912

	Samı	ole San	mple Spike	MS	MS				%Rec	
Ana	llyte Res	ult Qua	alifier Added	Result	Qualifier	Unit	D	%Rec	Limits	
Eth	ylbenzene <0.001	99 U	0.0996	0.1048		mg/Kg		105	70 - 130	
m-X	(ylene & p-Xylene <0.003	98 U	0.199	0.2103		mg/Kg		106	70 - 130	
o-X	ylene <0.001	99 U	0.0996	0.1074		mg/Kg		108	70 - 130	
		10 MC								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98912

Matrix: Solid Analysis Batch: 98908

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1106		mg/Kg		110	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.1040		mg/Kg		103	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1056		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2113		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00199	U	0.101	0.1078		mg/Kg		107	70 - 130	0	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepai	red	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/27/24	14:13	01/02/25 20:05	1
o-Terphenyl	70		70 - 130	12/27/24	14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1165		mg/Kg		117	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130
C10-C28)							

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

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

Lab Sample ID: LCS 880-98965/2-A

Lab Sample ID: LCSD 880-98965/3-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98965

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 121 70 - 130 o-Terphenyl 119 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 99298 Prep Batch: 98965 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit

1000 1265 127 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1187 mg/Kg 119 70 - 13020 8 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits S1+ 70 - 130 1-Chlorooctane 132 129 70 - 130 o-Terphenyl

Lab Sample ID: 880-52595-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

MS MS Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 996 557.0 F1 mg/Kg 56 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 75 70 - 130 o-Terphenyl 75

Lab Sample ID: 880-52595-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U F1 996 544.6 F1 55 Gasoline Range Organics <50.0 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U F1 996 603.0 F1 mg/Kg 61 70 - 130 2 20 C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 73 70 - 130 75 70 - 130 o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98881/1-A

Lab Sample ID: LCS 880-98881/2-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 98951

Matrix: Solid

MB MB

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 12/28/24 00:10

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 98951

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 98951

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: 880-52592-A-41-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98951

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 418.2 F1 Chloride 106 F1 249 126 90 - 110 mg/Kg

Lab Sample ID: 880-52592-A-41-D MSD

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110 20

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

GC VOA

Analysis Batch: 98908

Lab Sample ID 880-52598-1	Client Sample ID T-3 (5')	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98881

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Soluble	Solid	DI Leach	
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52598-1	T-3 (5')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

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Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Lab Sample ID: 880-52598-1

Matrix: Solid

Client Sample ID: T-3 (5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	98912	12/27/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98908	12/27/24 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99008	12/27/24 13:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			99420	01/02/25 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98881	12/26/24 16:15	СН	EET MID
Soluble	Analysis	300.0		5			98951	12/28/24 02:55	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52598-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Laboratory	
EET MID	
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Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
Ol Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52598-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52598-1	T-3 (5')	Solid	12/19/24 00:00	12/23/24 12:41

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SAMPLE RECEIPT Sampler's Name: Comments: Project Number: City, State ZIP: ddress: roject Manager. ample Custody Seals: ooler Custody Seals: eceived Intact: roject Name: oject Location Sample Identification T-3 (5') Midland, TX 79701 310 W Wall St Ste 500 Conner Moehring 432-813-6823 Carmona Resources Paloma 21 Federal Battery (12.11.24) Lea County, New Mexico Yes res No NA Temp Blank: Relinquished by: (Signature) No 12/19/2024 No CRM Date Corrected Temperature: Correction Factor. Thermometer ID: Temperature Reading: Yes No Time Due Date: Routine Wet Ice: Soil \times Email: Granth@forl.com & addisong@forl.com City, State ZIP: Bill to: (if different) Company Name Water Rush Standard Comp Grab/ G Chain of Custody 12/29/24 # of Pres. Code **Parameters** Date/Time Midland, Texas 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay & Addison Guekler × BTEX 8021B TPH 8015M (GRO + DRO + MRO) × Chloride 300.0 ANALYSIS REQUEST Received by: (Signature) Program: UST/PST PRP prownfields RC Reporting:Level II Level III ST/UST State of Project: Deliverables: EDD 880-52598 Chain of Custody **Work Order Comments** ADaPT H₂S0₄: H₂ HCL: HC Cool: Cool NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na2S2O3: NaSO3 NaHSO4: NABIS H3PO4: HP None: NO Sample Comments Preservative Codes RRP Other. Date/Tjme МеОН: Ме HNO3: HN DI Water: H₂O ☐Level IV NaOH: Na perfund of 1/3/2025 Page 18 of 19

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-52598-1

SDG Number: 2608

List Source: Eurofins Midland

Login Number: 52598 List Number: 1

Creator: Lee, Randell

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:44:01 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52597-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 2

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52597-1 SDG: 2608

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Definitions/Glossary

Job ID: 880-52597-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

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Qualifier	Qualifier Description

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
₩	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery

CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52597-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1 Eurofins Midland

Job Narrative 880-52597-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 12/23/2024 12:41 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

Client Sample ID: T-3 (6') Lab Sample ID: 880-52597-1 Date Collected: 12/19/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/27/24 08:43	12/27/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 08:43	12/27/24 13:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/27/24 08:43	12/27/24 13:17	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/27/24 13:17	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
									DII Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 21:58	1
-					mg/Kg				1
: Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)	MDL		— — —	<u> </u>	01/02/25 21:58	1
Method: SW846 8015B NM - Dies Analyte	sel Range Orga	nics (DRO) Qualifier		MDL	Unit	<u>D</u>	Prepared 12/27/24 14:13		Dil Fac
Method: SW846 8015B NM - Dies	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared	01/02/25 21:58 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared	01/02/25 21:58 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	Qualifier	(GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.9	Qualifier U	(GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	Qualifier U	(GC) RL 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 12/27/24 14:13 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58 01/02/25 21:58	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.9 <49.9	Qualifier U	(GC) RL 49.9 49.9 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 12/27/24 14:13 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58 01/02/25 21:58 01/02/25 21:58	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	Qualifier U	(GC) RL 49.9 49.9 49.9 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared	01/02/25 21:58 Analyzed 01/02/25 21:58 01/02/25 21:58 01/02/25 21:58 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <49.9	Qualifier U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58 01/02/25 21:58 01/02/25 21:58 Analyzed 01/02/25 21:58	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.9	Qualifier U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	01/02/25 21:58 Analyzed 01/02/25 21:58 01/02/25 21:58 01/02/25 21:58 Analyzed 01/02/25 21:58	Dil Fac

Surrogate Summary

Client: Carmona Resources Job ID: 880-52597-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate I
		BFB1	DFBZ1	_
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52597-1	T-3 (6')	117	94	
890-7511-A-4-D MS	Matrix Spike	100	98	
890-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
LCS 880-98912/1-A	Lab Control Sample	104	97	
LCSD 880-98912/2-A	Lab Control Sample Dup	100	96	
MB 880-98912/5-A	Method Blank	107	84	
Surrogate Legend				
BFB = 4-Bromofluoroben	nzene (Surr)			
DFBZ = 1,4-Difluorobenz	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-A-1-E MS	Matrix Spike	75	75	
880-52595-A-1-F MSD	Matrix Spike Duplicate	73	75	
880-52597-1	T-3 (6')	83	81	
LCS 880-98965/2-A	Lab Control Sample	121	119	
LCSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
MB 880-98965/1-A	Method Blank	72	70	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98912/5-A

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 98908

Analysis Batch: 98908

Client Sample ID: Method Blank

Prep Batch: 98912

Prep Type: Total/NA

III D	1410							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
MP	MD							
	Result <0.00200 <0.00200 <0.00200 <0.00400 <0.00200 <0.00200 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400	Result Qualifier <0.00200 U <0.00200 U <0.00200 U <0.00400 U <0.00400 U <0.00400 U <0.00400 U	Result Qualifier RL <0.00200	Result Qualifier RL MDL <0.00200	Result Qualifier RL MDL Unit <0.00200	Result Qualifier RL MDL Unit D <0.00200	Result Qualifier RL MDL Unit D Prepared <0.00200	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00200

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepare	ed	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/27/24 (08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/27/24 (08:43	12/27/24 11:13	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98912

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1057 mg/Kg 106 70 - 130 Toluene 0.100 0.1001 mg/Kg 100 70 - 130 0.100 Ethylbenzene 0.1007 mg/Kg 101 70 - 130 0.200 0.2000 100 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1037 70 - 130 o-Xylene mg/Kg 104

LCS LCS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 98908

Lab Sample ID: LCSD 880-98912/2-A

Prep Type: Total/NA Prep Batch: 98912

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

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

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1093		mg/Kg		110	70 - 130	
Toluene	<0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130	

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

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

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1048		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2103		mg/Kg		106	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1074		mg/Kg		108	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98912

Lab Sample ID: 890-7511-A-4-E MSD **Matrix: Solid**

Analysis Batch: 98908

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1106		mg/Kg		110	70 - 130	1	35
Toluene	< 0.00199	U	0.101	0.1040		mg/Kg		103	70 - 130	1	35
Ethylbenzene	< 0.00199	U	0.101	0.1056		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2113		mg/Kg		105	70 - 130	0	35
o-Xylene	< 0.00199	U	0.101	0.1078		mg/Kg		107	70 - 130	0	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/27/24 14:13	01/02/25 20:05	1
o-Terphenyl	70		70 - 130	12/27/24 14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1165		mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130	
C10-C28)								

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

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

LCS LCS

Lab Sample ID: LCS 880-98965/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-98965/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1265		mg/Kg		127	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1187		mg/Kg		119	70 - 130	8	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 880-52595-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	557.0	F1	mg/Kg		56	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	996	615.5	F1	mg/Kg		62	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	75		70 - 130

Lab Sample ID: 880-52595-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U F1	996	544.6	F1	mg/Kg		55	70 - 130	2	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U F1	996	603.0	F1	mg/Kg		61	70 - 130	2	20
C10-C28)											

MSD MSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	73	70 - 130
o-Terphenyl	75	70 - 130

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98881/1-A

Matrix: Solid

Analysis Batch: 98951

MB MB

 Analyte
 Result Chloride
 Qualifier
 RL VIDIA
 MDL VIDIA
 Unit VIDIA
 D VIDIA
 Prepared VIDIA
 Analyzed VIDIA
 Dil Fac VIDIA

 Chloride
 <10.0</td>
 U
 10.0
 mg/Kg
 12/28/24 00:10
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Lab Sample ID: LCS 880-98881/2-A

Matrix: Solid

Analysis Batch: 98951

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A

Matrix: Solid

Analysis Batch: 98951

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: 880-52592-A-41-C MS

Matrix: Solid

Analysis Batch: 98951

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 418.2 F1 Chloride 106 F1 249 126 90 - 110 mg/Kg

Lab Sample ID: 880-52592-A-41-D MSD

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110 20

Eurofins Midland

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QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

GC VOA

Analysis Batch: 98908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	8021B	98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98881

I ah Campia ID	Client Sample ID	Prop Type	Matrix	Method	Dron Potoh
Lab Sample ID		Prep Type			Prep Batch
880-52597-1	T-3 (6')	Soluble	Solid	DI Leach	
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52597-1	T-3 (6')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

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Lab Chronicle

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

Client Sample ID: T-3 (6') Lab Sample ID: 880-52597-1 Date Collected: 12/19/24 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98912	12/27/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98908	12/27/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99007	12/27/24 13:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			99419	01/02/25 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.0 g	50 mL	98881	12/26/24 16:15	СН	EET MID
Soluble	Analysis	300.0		5			98951	12/28/24 02:49	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52597-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority		am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52597-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52597-1	T-3 (6')	Solid	12/19/24 00:00	12/23/24 12:41

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t Number: t Location Lea County, New Mexico CRM Temp Blank: Ves No NA Correction Factor: Containers: Sample Identification Date Tamp Blank: Ves No NA Temperature Reading: Corrected Temperature: X T-3 (6') Lea County, New Mexico CRM Ves No NA Temperature Reading: Corrected Temperature: X G G G Standard Standard Ves No Wet Ice: Yes No NA Temperature Reading: Corrected Temperature: G G G G G G G Standard Ves No Wet Ice: Yes No NA Temperature Reading: G G G G G G G G G G G G G		Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, TX 79701 432-813-6823 Paloma 21 Federal Battery (12.11.24)	Routi		me: Grant Huckabay & Addme: Fasken Oil and Ranch	nt Huck ken Oil t 1 Holida 1 Molida 1 Molida	Grant Huckabay & Addisor Fasken Oil and Ranch 6101 Holiday Hill Road Midland, Texas 79707 song@forl.com	dison Guekler
A Location Lea County, New Mexico Ert Name: CRM CRM Due Date: Standard Standard Page No Page No Lea County, New Mexico CRM PLE RECEIPT Temp Blank: Yes No NA Thermometer ID: Control Factor: Control Seals: Yes No NA Temperature Reading: Corrected Temperature: Soil Water Comp Control B B RO Page No P	Name:	Paloma 21 Federal Rattery (1		m Around	_			
A Location Lea County, New Mexico CRM CRM PLE RECEIPT Temp Blank: Yes No NA Thermformeter ID: Controlory Seals: Yes No NA Temperature: Corrected Temperature: Sample Identification Date Time Soil Water Grab # of Thermformeter ID: Corrected Temperature: Time Soil Water Grab # of Thermformeter ID: Corrected Temperature: Time Soil Water Grab # of Thermformeter ID: # of Thermformeter ID: # of Thermformeter ID: # of Time Soil Water Grab # of Thermformeter ID: # of Thermformeter ID: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Time Soil # of Thermformeter ID: # of Thermformeter ID: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Thermformeter ID: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of Temperature: # of Thermformeter ID: # of #	Project Number:	2608	Routin	ST .	res. ode			ı
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Relinquished by: (Signature) Date/Time					123/	i	_	is!

Login Sample Receipt Checklist

Client: Carmona Resources Job N

Job Number: 880-52597-1 SDG Number: 2608

Login Number: 52597 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:43:36 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52596-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/3/2025 12:43:36 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52596-1 SDG: 2608

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Definitions/Glossary

Job ID: 880-52596-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

MCL

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52596-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1 Eurofins Midland

Job Narrative 880-52596-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 12/23/2024 12:41 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Released to Imaging: 4/2/2025 4:25:06 PM

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

Lab Sample ID: 880-52596-1

Client Sample ID: T-3 (7')	
Date Collected: 12/19/24 00:00	

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 08:43	12/27/24 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 08:43	12/27/24 12:57	
1,4-Difluorobenzene (Surr)	93		70 - 130				12/27/24 08:43	12/27/24 12:57	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/27/24 12:57	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH									
TOTAL TPH	<49.8	U	49.8		mg/Kg			01/02/25 21:42	
					mg/Kg			01/02/25 21:42	1
Method: SW846 8015B NM - Dies	sel Range Orga			MDL	mg/Kg Unit		Prepared	01/02/25 21:42 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 12/27/24 14:13		1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	nics (DRO) Qualifier	(GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>		Analyzed 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U	(GC) RL 49.8	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 21:42 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.8	nics (DRO) Qualifier U	(GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>	12/27/24 14:13	Analyzed 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U	(GC) RL 49.8	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 21:42 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U	(GC) RL 49.8 49.8 49.8	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13 12/27/24 14:13	Analyzed 01/02/25 21:42 01/02/25 21:42 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	nics (DRO) Qualifier U	(GC) RL 49.8 49.8 49.8 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared	Analyzed 01/02/25 21:42 01/02/25 21:42 01/02/25 21:42 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <49.8 <49.8	U Qualifier U Qualifier	(GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	Analyzed 01/02/25 21:42 01/02/25 21:42 01/02/25 21:42 Analyzed 01/02/25 21:42	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.8 <49.8 <49.8 49.8 %Recovery 81 79 a Chromatograp	U Qualifier U Qualifier	(GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	Analyzed 01/02/25 21:42 01/02/25 21:42 01/02/25 21:42 Analyzed 01/02/25 21:42	Dil Fac

Surrogate Summary

Client: Carmona Resources

Job ID: 880-52596-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surroga
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52596-1	T-3 (7')	121	93	
890-7511-A-4-D MS	Matrix Spike	100	98	
890-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
LCS 880-98912/1-A	Lab Control Sample	104	97	
LCSD 880-98912/2-A	Lab Control Sample Dup	100	96	
MB 880-98912/5-A	Method Blank	107	84	
Surrogate Legend				
BFB = 4-Bromofluorobena	zene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recov	ery (Acceptance Li
		1CO1	OTPH1		
_ab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-52595-A-1-E MS	Matrix Spike	75	75		
880-52595-A-1-F MSD	Matrix Spike Duplicate	73	75		
380-52596-1	T-3 (7')	81	79		
CS 880-98965/2-A	Lab Control Sample	121	119		
CSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129		
MB 880-98965/1-A	Method Blank	72	70		

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98912/5-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98912

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/27/24 08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/27/24 08:43	12/27/24 11:13	1

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Analysis Batch: 98908

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

Prep Batch: 98912

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	
Toluene	0.100	0.1001		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2000		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-98912/2-A

Matrix: Solid

Analysis Batch: 98908

Prep Type: Total/NA

Prep Batch: 98912

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35	
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35	
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35	
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

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

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1093		mg/Kg		110	70 - 130	
Toluene	< 0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130	

Eurofins Midland

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QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

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

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1048		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2103		mg/Kg		106	70 - 130	
o-Xylene	< 0.00199	U	0.0996	0.1074		mg/Kg		108	70 - 130	
	MS	MS								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98912

Matrix: Solid

Lab Sample ID: 890-7511-A-4-E MSD

Analysis Batch: 98908

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1106		mg/Kg		110	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.1040		mg/Kg		103	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1056		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2113		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00199	U	0.101	0.1078		mg/Kg		107	70 - 130	0	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

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

Prep Batch: 98965

	INID	IAID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepai	red	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/27/24	14:13	01/02/25 20:05	1
o-Terphenyl	70		70 - 130	12/27/24	14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

C10-C28)

Analysis Batch: 99298

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

Prep Batch: 98965

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1165		mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130	

Limits

70 - 130

70 - 130

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

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

LCS LCS

%Recovery Qualifier

121

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

1-Chlorooctane

Matrix: Solid

Surrogate

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98965

o-Terphenyl 119

Lab Sample ID: LCSD 880-98965/3-A

Lab Sample ID: 880-52595-A-1-E MS

Analysis Batch: 99298

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98965

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1265 127 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1187 mg/Kg 119 70 - 13020 8 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits S1+ 70 - 130 1-Chlorooctane 132 129 70 - 130 o-Terphenyl

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98965

MS MS Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 996 557.0 F1 mg/Kg 56 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 99298

MS MS %Recovery Qualifier Surrogate

Limits 70 - 130 1-Chlorooctane 75 70 - 130 o-Terphenyl 75

Lab Sample ID: 880-52595-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA

Prep Batch: 98965

RPD %Rec

Sample Sample MSD MSD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U F1 996 544.6 F1 55 Gasoline Range Organics <50.0 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U F1 996 603.0 F1 mg/Kg 61 70 - 130 2 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 73 70 - 130 75 70 - 130 o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98881/1-A

Matrix: Solid

Analysis Batch: 98951

MB MB

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 12/28/24 00:10

Lab Sample ID: LCS 880-98881/2-A

Matrix: Solid

Analysis Batch: 98951

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A

Matrix: Solid

Analysis Batch: 98951

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: 880-52592-A-41-C MS

Matrix: Solid

Analysis Batch: 98951

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 418.2 F1 Chloride 106 F1 249 126 90 - 110 mg/Kg

Lab Sample ID: 880-52592-A-41-D MSD

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110 20

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

GC VOA

Analysis Batch: 98908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	8021B	98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	98965
880-52595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Soluble	Solid	DI Leach	FIEP Batcii
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52596-1	T-3 (7')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

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Lab Chronicle

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Analysis

Job ID: 880-52596-1

SDG: 2608

Client Sample ID: T-3 (7') Lab Sample ID: 880-52596-1 Date Collected: 12/19/24 00:00

Matrix: Solid

EET MID

	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	98912	12/27/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98908	12/27/24 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99006	12/27/24 12:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			99418	01/02/25 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98881	12/26/24 16:15	СН	EET MID

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98951

12/30/24 12:30

СН

Laboratory References:

Soluble

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

300.0

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52596-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, but bes not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52596-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52596-1	T-3 (7')	Solid	12/19/24 00:00	12/23/24 12:41

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Address:

Conner Moehring
Carmona Resources
310 W Wall St Ste 500

Bill to: (if different)
Company Name:
Address:

6101 Holiday Hill Road

State of Project:

Program: UST/PST PRP prownfields RC

perfund

Work Order Comments

Page

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Fasken Oil and Ranch

Grant Huckabay & Addison Guekler

Project Manager. Company Name:

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Gom uf		Comments:								T-3 (7")	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	ä	Project Name: Palc	Phone: 432-813-6823	City, State ZIP: Midland	
caly	Relinquished by: (Signature)									12/19/2024	n Date	<	Yes No NIA	Yes No NA	1	Текпр Blank:		CRM	Lea County, New Mexico	2608	Paloma 21 Federal Battery (12.11.24)	3-6823	Midland, TX 79701	
	y: (Signature)										Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes) No			exico		(12.11.24)			
										×	Soil	rature:	ding:			Wet Ice:			Due Date:	✓ Routine	Turn	Email:		
										G	Water Comp	2,9	0.2	1.0	8-X	Yes No			Standard	Rush	Turn Around	Email: Granth@forl.com & addisong@forl.com	City, State ZIP:	
12/23/24	D									_	# of Cont			P	aran	nete	rs			Code		m & addisc	2	
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	re)				1	1																		
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											San	NaOH+As	Zn Acetatu	Na2S2O3: NaSO3	NaHSO4: NABIS	H₃PO₄; HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Pres			
12/237	Date/J										Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	NaSO ₃	NABIS	U		Į			Preservative Codes	Other:		
246	e/Jime										ıments	d: SAPC	Zn				NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Codes		□Level IV □	

880-52596 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources Job

Job Number: 880-52596-1 SDG Number: 2608

List Source: Eurofins Midland

Login Number: 52596 List Number: 1 Creator: Lee, Randell

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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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:43:35 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52595-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/3/2025 12:43:35 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52595-1 SDG: 2608

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QC Association Summary	12
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Sample Summary	17
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Definitions/Glossary

Job ID: 880-52595-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

MCL

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52595-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1 Eurofins Midland

Job Narrative 880-52595-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 12/23/2024 12:41 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98965 and analytical batch 880-99298 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-98965/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Released to Imaging: 4/2/2025 4:25:06 PM

Client Sample Results

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

Client Sample ID: T-3 (8') Lab Sample ID: 880-52595-1 Date Collected: 12/19/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 08:43	12/27/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 08:43	12/27/24 12:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/27/24 08:43	12/27/24 12:36	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/27/24 12:36	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (0	3C)						
		ics (DRO) (C Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/02/25 20:54	
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH . Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO)	RL 50.0		mg/Kg		<u> </u>	01/02/25 20:54	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Result Range Orga	Qualifier U nics (DRO) Qualifier U F1	RL 50.0		mg/Kg		Prepared	01/02/25 20:54 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U F1 U F1	(GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 12/27/24 14:13	01/02/25 20:54 Analyzed 01/02/25 20:54	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U F1 U F1	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13	01/02/25 20:54 Analyzed 01/02/25 20:54 01/02/25 20:54	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U F1 U F1	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13	01/02/25 20:54 Analyzed 01/02/25 20:54 01/02/25 20:54 01/02/25 20:54	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U nics (DRO) Qualifier U F1 U F1	RL 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared	01/02/25 20:54 Analyzed 01/02/25 20:54 01/02/25 20:54 01/02/25 20:54 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U nics (DRO) Qualifier U F1 U F1 U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	Analyzed 01/02/25 20:54 Analyzed 01/02/25 20:54 01/02/25 20:54 Analyzed 01/02/25 20:54	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U nics (DRO) Qualifier U F1 U F1 U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:13 12/27/24 14:13 12/27/24 14:13 Prepared 12/27/24 14:13	Analyzed 01/02/25 20:54 Analyzed 01/02/25 20:54 01/02/25 20:54 Analyzed 01/02/25 20:54	1 Dil Fac 1 1 1 Dil Fac 1 1

Surrogate Summary

Client: Carmona Resources Job ID: 880-52595-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-1	T-3 (8')	115	91	
890-7511-A-4-D MS	Matrix Spike	100	98	
890-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
LCS 880-98912/1-A	Lab Control Sample	104	97	
LCSD 880-98912/2-A	Lab Control Sample Dup	100	96	
MB 880-98912/5-A	Method Blank	107	84	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52595-1	T-3 (8')	76	75	
880-52595-1 MS	T-3 (8')	75	75	
880-52595-1 MSD	T-3 (8')	73	75	
LCS 880-98965/2-A	Lab Control Sample	121	119	
LCSD 880-98965/3-A	Lab Control Sample Dup	132 S1+	129	
MB 880-98965/1-A	Method Blank	72	70	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98912/5-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98912

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pro	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/27	7/24 08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/27	7/24 08:43	12/27/24 11:13	1

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98912

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	
Toluene	0.100	0.1001		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2000		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-98912/2-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 98912

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35	
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35	
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35	
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery Qu	alifier	Limits		
4-Bromofluorobenzene (Surr)	100		70 - 130		
1.4-Difluorobenzene (Surr)	96		70 - 130		

Lab Sample ID: 890-7511-A-4-D MS

Matrix: Solid

Analysis Batch: 98908

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

Prep Batch: 98912

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1093		mg/Kg		110	70 - 130	
Toluene	< 0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

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

Lab Sample ID: 890-7511-A-4-D MS

Lab Sample ID: 890-7511-A-4-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.1048		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2103		mg/Kg		106	70 - 130	
o-Xylene	< 0.00199	U	0.0996	0.1074		mg/Kg		108	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98912

Analysis Batch: 98908 Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.101 Benzene <0.00199 U 0.1106 mg/Kg 110 70 - 130 35 Toluene <0.00199 U 103 0.101 0.1040 mg/Kg 70 - 130 35 Ethylbenzene <0.00199 U 0.101 0.1056 mg/Kg 105 70 - 130 35 <0.00398 U 0.202 0.2113 105 70 - 130 35 m-Xylene & p-Xylene mg/Kg 0 <0.00199 U 0.101 0.1078 107 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98965/1-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98965

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:13	01/02/25 20:05	1

MB MB

Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72	70 - 130	12/27/24 14:13	01/02/25 20:05	1
o-Terphenyl	70	70 - 130	12/27/24 14:13	01/02/25 20:05	1

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98965

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1165	-	mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1091		mg/Kg		109	70 - 130	
C10-C28)								

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

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

Lab Sample ID: LCS 880-98965/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 99298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98965

LCS LCS

Lab Sample ID: LCSD 880-98965/3-A

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 121 70 - 130 o-Terphenyl 119 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98965

Analysis Batch: 99298 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1265 127 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1187 mg/Kg 119 70 - 1308 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 880-52595-1 MS Client Sample ID: T-3 (8')

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA Prep Batch: 98965

Sample Sample Spike MS MS Analyte Result Qualifier hahhA Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 996 557.0 F1 mg/Kg 56 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 UF1 996 615.5 F1 mg/Kg 62 70 - 130 C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 75 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 75

Lab Sample ID: 880-52595-1 MSD Client Sample ID: T-3 (8')

Matrix: Solid

Analysis Batch: 99298

Prep Type: Total/NA Prep Batch: 98965

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics <50.0 U F1 996 544.6 F1 55 20 mg/Kg 70 - 130 2 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U F1 996 603.0 F1 mg/Kg 61 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	75		70 - 130

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98881/1-A

Matrix: Solid

Analysis Batch: 98951

мв мв

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 12/28/24 00:10

Lab Sample ID: LCS 880-98881/2-A

Matrix: Solid

Analysis Batch: 98951

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A

Matrix: Solid

Analysis Batch: 98951

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: 880-52592-A-41-C MS

Matrix: Solid

Analysis Batch: 98951

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 418.2 F1 Chloride 106 F1 249 126 90 - 110 mg/Kg

Lab Sample ID: 880-52592-A-41-D MSD

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110 20

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

GC VOA

Analysis Batch: 98908

Lab Sample ID 880-52595-1	Client Sample ID T-3 (8')	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 98965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Total/NA	Solid	8015NM Prep	
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52595-1 MS	T-3 (8')	Total/NA	Solid	8015NM Prep	
880-52595-1 MSD	T-3 (8')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Total/NA	Solid	8015B NM	98965
MB 880-98965/1-A	Method Blank	Total/NA	Solid	8015B NM	98965
LCS 880-98965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98965
LCSD 880-98965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98965
880-52595-1 MS	T-3 (8')	Total/NA	Solid	8015B NM	98965
880-52595-1 MSD	T-3 (8')	Total/NA	Solid	8015B NM	98965

Analysis Batch: 99417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98881

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Soluble	Solid	DI Leach	
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

HPLC/IC (Continued)

Leach Batch: 98881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52595-1	T-3 (8')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

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Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

Lab Sample ID: 880-52595-1

Matrix: Solid

Client Sample ID: T-3 (8')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98912	12/27/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98908	12/27/24 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99005	12/27/24 12:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			99417	01/02/25 20:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98965	12/27/24 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99298	01/02/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98881	12/26/24 16:15	CH	EET MID
Soluble	Analysis	300.0		1			98951	12/28/24 02:37	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52595-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52595-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52595-1	T-3 (8')	Solid	12/19/24 00:00	12/23/24 12:41

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Jour M		Comments:								T-3 (8')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 4	City, State ZIP: N	Address: 3		Project Manager: C
rocci											fication		Yes	Yes					Lea (Paloma 21	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
	Relinquished by: (Signature)									12/19/2024	Date	(NO NIA	No NA	es No	Temp Blank:		CRM	Lea County, New Mexico	2608	Paloma 21 Federal Battery (12.11.24)		9701	Ste 500	ources	ing
,	oy: (Signature										Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes No)		/lexico		y (12.11.24)					
									,	×	Soil	nperature:	Reading:	dor.		Wet Ice:			Due Date:	∇ Routine	Tu	Ema				
										G	Water Comp	32,7	28	1-0-6	P.XX	Yes No)		Standard	Rush	Turn Around	Email: Granth@fort.com & addisong@fort.com	City, State ZIP:	Address:	Company Name	Bill to: (if different)
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SE.	by: (Signature)		Н			+	H	-	H	4								_				Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST □PRP □ rownfields	
	ture)		Н			+	H		Н								_							ii ii	PST D	\$
																						 ≥			₹ □	Work Order Comments
			H	\dashv	+	+	H	+	H	\dashv		Na	Zn,	Na	Na	H ₃ F	H ₂ S	H	Co	Nor		ADaPT 🗆	□st/ust		ownfiel	er Con
7	-										Sampl)H+Asco	Acetate+I	Na2S2O3: NaSO3	NaHSO4: NABIS	H₃PO₄: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Prese	Other:	RRP		ds □RC	ments
8	Date/Ţime										Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	SO ₃	BIS		NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes	her:	P Level IV		℃ □perfund	
N/								1		- 1	2	-	_				-	U	J	2	157		æ		_	1

Login Sample Receipt Checklist

Client: Carmona Resources Jo

Job Number: 880-52595-1 SDG Number: 2608

Login Number: 52595 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 1/3/2025 12:45:47 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) 2608

JOB NUMBER

880-52600-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 1/3/2025 12:45:47 PM

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-52600-1

SDG: 2608

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-52600-1

Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Qualifiers

GC VOA	Ĺ
Qualifier	

F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Qualifier Description

GC Semi VOA

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

HPI C/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

MDC MDL MI

DLC

EDL

LOD

LOQ

MCL MDA

Minimum Detectable Concentration (Radiochemistry) Method Detection Limit 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)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-52600-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1 Eurofins Midland

Job Narrative 880-52600-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 12/23/2024 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-98785 and 880-98969 and analytical batch 880-98922 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-98922 recovered under the lower control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98915 and analytical batch 880-99020 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-98964 and analytical batch 880-99300 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-98964/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-98964/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98964 and analytical batch 880-99300 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-99300 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-99300/21).

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98896 and analytical batch 880-98925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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Eurofins Midland

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Case Narrative

Client: Carmona Resources Job ID: 880-52600-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1 (Continued)

Eurofins Midland

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98881 and analytical batch 880-98951 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

1/3/2025

Client Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

Lab Sample ID: 880-52600-1

Matrix: Solid

Client Sample ID: H-1 (0-0.5') Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 14:19	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 14:19	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 08:43	12/27/24 14:19	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/27/24 08:43	12/27/24 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 08:43	12/27/24 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 08:43	12/27/24 14:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/27/24 08:43	12/27/24 14:19	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			12/27/24 14:19	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/02/25 17:39	Dil Fac
Analyte Total TPH	Result <49.8	Qualifier U	RL 49.8	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die	Result <49.8	Qualifier U	RL 49.8			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result <49.8	Qualifier U unics (DRO) Qualifier	RL 49.8		mg/Kg		<u> </u>	01/02/25 17:39	1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8 sel Range Orga Result <49.8	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	01/02/25 17:39 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39 01/02/25 17:39	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03 Prepared	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39 01/02/25 17:39 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8	Qualifier U Inics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03 Prepared 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39 01/02/25 17:39 Analyzed 01/02/25 17:39	Dil Face 1 Dil Face 1 1 1 Dil Face 1 1 1 Dil Face 1
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.8	Qualifier U Inics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03 Prepared 12/27/24 14:03	01/02/25 17:39 Analyzed 01/02/25 17:39 01/02/25 17:39 01/02/25 17:39 Analyzed 01/02/25 17:39	Dil Fac

Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-52600-2 Date Collected: 12/19/24 00:00 **Matrix: Solid**

Date Received: 12/23/24 12:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 08:43	12/27/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/27/24 08:43	12/27/24 14:39	1
1.4-Difluorobenzene (Surr)	94		70 - 130				12/27/24 08:43	12/27/24 14:39	1

Client: Carmona Resources

Date Received: 12/23/24 12:41

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-52600-2 Date Collected: 12/19/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/27/24 14:39	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.7	U	49.7		mg/Kg			01/02/25 17:56	
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	<49.7	U	49.7		mg/Kg		12/27/24 14:03	01/02/25 17:56	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		12/27/24 14:03	01/02/25 17:56	
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/27/24 14:03	01/02/25 17:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	96		70 - 130				12/27/24 14:03	01/02/25 17:56	
o-Terphenyl	96		70 - 130				12/27/24 14:03	01/02/25 17:56	

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-52600-3 Date Collected: 12/19/24 00:00 **Matrix: Solid**

RL

9.90

MDL Unit

mg/Kg

D

Prepared

Analyzed

12/30/24 16:32

Result Qualifier

79.6

Date Received: 12/23/24 12:41

Released to Imaging: 4/2/2025 4:25:06 PM

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 09:29	12/30/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/27/24 09:29	12/30/24 18:33	1
							10/07/01 00 00	10/00/01 10 00	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte			70 ₋ 130	MDL	Unit	D	12/27/24 09:29 Prepared	12/30/24 18:33	
	- Total BTEX Cald						12/27/24 09:29	12/30/24 18:33	
	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00400	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/30/24 18:33	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00400	Qualifier U	RL 0.00400	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U	RL 0.00400			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did	- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00400		mg/Kg	_ =	Prepared	Analyzed 12/30/24 18:33	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 ———————————————————————————————		mg/Kg	_ =	Prepared	Analyzed 12/30/24 18:33 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 ———————————————————————————————	MDL	mg/Kg	_ =	Prepared	Analyzed 12/30/24 18:33 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00400 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/30/24 18:33 Analyzed 01/02/25 18:12	Dil Fac

Eurofins Midland

Dil Fac

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1 SDG: 2608

Client Sample ID: H-3 (0-0.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/27/24 14:03	01/02/25 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			12/27/24 14:03	01/02/25 18:12	1
o-Terphenyl	99		70 - 130			12/27/24 14:03	01/02/25 18:12	1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble						
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	33.7		9.92	mg/K	g		12/30/24 16:50	1

Client Sample ID: H-4 (0-0.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/27/24 14:31	12/28/24 07:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/27/24 14:31	12/28/24 07:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/27/24 14:31	12/28/24 07:41	1

Method: TAL SOP Total BTEX - Tot									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/28/24 07:41	1

Method: SW846 8015 NM - Diesel Rang	e Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 18:29	1
Method: SW846 8015B NM - Diesel Ran	ge Orga	nics (DRO) (GC)							

er Kange Orga	ilics (DKO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.8	U	49.8		mg/Kg		12/27/24 14:03	01/02/25 18:29	1
<49.8	U	49.8		mg/Kg		12/27/24 14:03	01/02/25 18:29	1
<49.8	U	49.8		mg/Kg		12/27/24 14:03	01/02/25 18:29	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
96		70 - 130				12/27/24 14:03	01/02/25 18:29	1
100		70 - 130				12/27/24 14:03	01/02/25 18:29	1
	Result <49.8 <49.8 <49.8 <49.8 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60 <60	Result Qualifier	Result Qualifier RL <49.8	Result Qualifier RL MDL <49.8	Result Qualifier RL MDL Unit <49.8	Result Qualifier RL MDL Unit D <49.8	Result Qualifier RL MDL Unit D Prepared <49.8	<49.8

Method: EPA 300.0 - Anions, Ion Ch	romatography - Solu						
Analyte	Result Qualifier	RL	MDL Un	it D	Prepared	Analyzed	Dil Fac
Chloride	106	9.96	mg	/Kg		12/27/24 11:23	1

Eurofins Midland

1/3/2025

Client Sample ID: H-5 (0-0.5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Client Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

Matrix: Solid

Lab Sample ID: 880-52600-5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 08:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				12/27/24 14:31	12/28/24 08:01	
1,4-Difluorobenzene (Surr)	105		70 - 130				12/27/24 14:31	12/28/24 08:01	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/28/24 08:01	1
<u>.</u>					mg/Kg			12/28/24 08:01	1
: Method: SW846 8015 NM - Diese	el Range Organ			MDL	mg/Kg Unit	D	Prepared	12/28/24 08:01 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ	ics (DRO) (Qualifier	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.8	ics (DRO) (Qualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Qualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte	el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg			Analyzed 01/02/25 18:45	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result Result 49.8 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 01/02/25 18:45 Analyzed	1
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result Result 49.8 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 01/02/25 18:45 Analyzed	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 49.8 sel Range Orga Result 49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 12/27/24 14:03	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.8 sel Range Orga Result 49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 12/27/24 14:03	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45 01/02/25 18:45	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8 49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45 01/02/25 18:45	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03 Prepared	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45 01/02/25 18:45 01/02/25 18:45 Analyzed	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 49.8 %Recovery 105 109	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/27/24 14:03 12/27/24 14:03 12/27/24 14:03 Prepared 12/27/24 14:03	Analyzed 01/02/25 18:45 Analyzed 01/02/25 18:45 01/02/25 18:45 Analyzed 01/02/25 18:45	Dil Fac

9.90

82.6

mg/Kg

12/27/24 11:29

Chloride

Surrogate Summary

Client: Carmona Resources Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-52600-1	H-1 (0-0.5')	119	93	
80-52600-2	H-2 (0-0.5')	120	94	
80-52600-3	H-3 (0-0.5')	112	106	
80-52600-4	H-4 (0-0.5')	116	102	
30-52600-5	H-5 (0-0.5')	129	105	
80-52663-A-1-B MS	Matrix Spike	130	98	
30-52663-A-1-C MSD	Matrix Spike Duplicate	112	103	
90-7511-A-4-D MS	Matrix Spike	100	98	
90-7511-A-4-E MSD	Matrix Spike Duplicate	98	97	
0-7515-A-21-A MS	Matrix Spike	109	104	
90-7515-A-21-B MSD	Matrix Spike Duplicate	116	104	
S 880-98912/1-A	Lab Control Sample	104	97	
S 880-98915/1-A	Lab Control Sample	108	104	
CS 880-98969/1-A	Lab Control Sample	116	89	
SD 880-98912/2-A	Lab Control Sample Dup	100	96	
CSD 880-98915/2-A	Lab Control Sample Dup	107	103	
CSD 880-98969/2-A	Lab Control Sample Dup	108	105	
B 880-98785/5-A	Method Blank	153 S1+	83	
B 880-98912/5-A	Method Blank	107	84	
	Method Blank	108	102	
B 880-98915/5-A		227 S1+	123	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-52592-A-28-D MS	Matrix Spike	89	97	
880-52592-A-28-E MSD	Matrix Spike Duplicate	104	98	
380-52600-1	H-1 (0-0.5')	108	110	
380-52600-2	H-2 (0-0.5')	96	96	
380-52600-3	H-3 (0-0.5')	98	99	
380-52600-4	H-4 (0-0.5')	96	100	
380-52600-5	H-5 (0-0.5')	105	109	
CS 880-98964/2-A	Lab Control Sample	127	137 S1+	
_CSD 880-98964/3-A	Lab Control Sample Dup	137 S1+	146 S1+	
MB 880-98964/1-A	Method Blank	133 S1+	136 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98785/5-A

Lab Sample ID: MB 880-98912/5-A

Matrix: Solid

Analysis Batch: 98908

Matrix: Solid Analysis Batch: 98922 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98785

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	•
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prep	ared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	12/26/2	4 09:36	12/27/24 13:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/26/2	4 09:36	12/27/24 13:00	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98912

в мв

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 08:43	12/27/24 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 08:43	12/27/24 11:13	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/27/24 08:43	12/27/24 11:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/27/24 08:43	12/27/24 11:13	1

Lab Sample ID: LCS 880-98912/1-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 98912

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	
Toluene	0.100	0.1001		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2000		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-98912/2-A

Matrix: Solid

Analysis Batch: 98908

Client Sample ID: Lab	Control Sample Dup
	Dren Trees Total/NA

Prep Type: Total/NA

Prep Batch: 98912

	Бріке	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1060	mg/Kg		106	70 - 130	0	35

Client: Carmona Resources

Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

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

Lab Sample ID: LCSD 880-98912/2-A **Matrix: Solid**

Analysis Batch: 98908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98912

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09747		mg/Kg		97	70 - 130	3	35
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7511-A-4-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 98908

Prep Type: Total/NA

Prep Batch: 98912

Spike MS MS %Rec Sample Sample Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00199 0.0996 0.1093 110 70 - 130 mg/Kg <0.00199 U Toluene 0.0996 0.1026 mg/Kg 103 70 - 130 Ethylbenzene <0.00199 U 0.0996 0.1048 mg/Kg 105 70 - 130 0.199 m-Xylene & p-Xylene <0.00398 U 0.2103 106 70 - 130 mg/Kg o-Xylene <0.00199 U 0.0996 0.1074 mg/Kg 108 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: 890-7511-A-4-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 98908

Prep Type: Total/NA Prep Batch: 98912

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1106		mg/Kg		110	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.1040		mg/Kg		103	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1056		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2113		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00199	U	0.101	0.1078		mg/Kg		107	70 - 130	0	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: MB 880-98915/5-A

Matrix: Solid

Analysis Batch: 99020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98915

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 09:29	12/30/24 12:11	1

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

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

Lab Sample ID: MB 880-98915/5-A

Matrix: Solid

Analysis Batch: 99020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98915

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 09:29	12/30/24 12:11	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		12/27/24 09:29	12/30/24 12:11	1

MD MD

MR MR

	IND	MD				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/27/24 09:29	12/30/24 12:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/27/24 09:29	12/30/24 12:11	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-98915/1-A **Matrix: Solid**

Lab Sample ID: LCSD 880-98915/2-A

Analysis Batch: 99020

Prep Type: Total/NA Prep Batch: 98915

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08157 mg/Kg 82 70 - 130 Toluene 0.100 0.08119 mg/Kg 81 70 - 130 0.100 0.07901 79 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene 0.200 0.1593 mg/Kg 80 70 - 130 o-Xylene 0.100 0.08602 mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 99020 Prep Batch: 98915

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.09210		mg/Kg		92	70 - 130	12	35
0.100	0.09059		mg/Kg		91	70 - 130	11	35
0.100	0.08775		mg/Kg		88	70 - 130	10	35
0.200	0.1772		mg/Kg		89	70 - 130	11	35
0.100	0.09422		mg/Kg		94	70 - 130	9	35
	0.100 0.100 0.100 0.200	Added Result 0.100 0.09210 0.100 0.09059 0.100 0.08775 0.200 0.1772	Added Result Qualifier 0.100 0.09210 0.100 0.09059 0.100 0.08775 0.200 0.1772	Added Result Qualifier Unit 0.100 0.09210 mg/Kg 0.100 0.09059 mg/Kg 0.100 0.08775 mg/Kg 0.200 0.1772 mg/Kg	Added Result Qualifier Unit D 0.100 0.09210 mg/Kg 0.100 0.09059 mg/Kg 0.100 0.08775 mg/Kg 0.200 0.1772 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09210 mg/Kg 92 0.100 0.09059 mg/Kg 91 0.100 0.08775 mg/Kg 88 0.200 0.1772 mg/Kg 89	Added Result Qualifier Unit D %Rec Limits 0.100 0.09210 mg/Kg 92 70 - 130 0.100 0.09059 mg/Kg 91 70 - 130 0.100 0.08775 mg/Kg 88 70 - 130 0.200 0.1772 mg/Kg 89 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.09210 mg/Kg 92 70 - 130 12 0.100 0.09059 mg/Kg 91 70 - 130 11 0.100 0.08775 mg/Kg 88 70 - 130 10 0.200 0.1772 mg/Kg 89 70 - 130 11

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-7515-A-21-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Matrix: Solid

Analysis Batch: 99020

Prep Type: Total/NA

Prep Batch: 98915

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1011		mg/Kg		101	70 - 130	
Toluene	<0.00199	U	0.0996	0.08001		mg/Kg		80	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.07159		mg/Kg		72	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.03152	F1	mg/Kg		16	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.09518		mg/Kg		96	70 - 130	

Lab Sample ID: 890-7515-A-21-A MS

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

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

Matrix: Solid

Analysis Batch: 99020

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98915

MS MS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 109 70 - 130 1,4-Difluorobenzene (Surr) 104 70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98915

Lab Sample ID: 890-7515-A-21-B MSD

Matrix: Solid

Analysis Batch: 99020

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1022		mg/Kg		101	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.07713		mg/Kg		77	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.101	0.07117		mg/Kg		71	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.01728	F1 F2	mg/Kg		9	70 - 130	58	35
o-Xylene	<0.00199	U	0.101	0.09905		mg/Kg		98	70 - 130	4	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98969

Lab Sample ID: MB 880-98969/5-A

Lab Sample ID: LCS 880-98969/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 98922

Analysis Batch: 98922

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/27/24 14:31	12/28/24 00:36	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/27/24 14:31	12/28/24 00:36	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98969

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1005		mg/Kg		101	70 - 130	
Toluene	0.100	0.1016		mg/Kg		102	70 - 130	
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130	
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130	

LCS LCS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 116 70 - 130

Client: Carmona Resources Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

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

Lab Sample ID: LCS 880-98969/1-A

Lab Sample ID: LCSD 880-98969/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 98922

Analysis Batch: 98922

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98969

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Batch: 98969

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	7	35
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.09733		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-52663-A-1-B MS Client Sample ID: Matrix Spike

Prep Type: Total/NA **Matrix: Solid Analysis Batch: 98922**

Prep Batch: 98969

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.09767		mg/Kg		98	70 - 130	
Toluene	<0.00199	U	0.0996	0.08745		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08207		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.00818		0.199	0.2184		mg/Kg		106	70 - 130	
o-Xylene	0.00492		0.0996	0.1214		mg/Kg		117	70 - 130	

Limits

MS MS %Recovery Qualifier Limits 70 - 130 130

MSD MSD

%Recovery Qualifier

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 98 70 - 130

Lab Sample ID: 880-52663-A-1-C MSD

Matrix: Solid

Surrogate

Surrogate

Analysis Batch: 98922

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

Prep Batch: 98969

4-Bromofluorobenzene (Surr) 70 - 130 112 1,4-Difluorobenzene (Surr) 103 70 - 130

Eurofins Midland

1/3/2025

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

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

Job ID: 880-52600-1

SDG: 2608

Lab Sample ID: MB 880-98964/1-A

Lab Sample ID: LCS 880-98964/2-A

Matrix: Solid

Analysis Batch: 99300

Matrix: Solid Analysis Batch: 99300 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98964

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:03	01/02/25 09:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:03	01/02/25 09:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:03	01/02/25 09:46	1
	МВ	МВ							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	12/27/24 14:03	01/02/25 09:46	1
o-Terphenyl	136	S1+	70 - 130	12/27/24 14:03	01/02/25 09:46	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98964

LCS LCS Spike Added Analyte Result Qualifier Unit D %Rec Limits 1207 Gasoline Range Organics 1000 mg/Kg 121 70 - 130 (GRO)-C6-C10 1000 1187 Diesel Range Organics (Over mg/Kg 119 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	127	70 - 130
o-Terphenyl	137 S1+	70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-98964/3-A **Matrix: Solid**

Analysis Batch: 99300

Prep Type: Total/NA

Prep Batch: 98964

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1241		mg/Kg		124	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1289		mg/Kg		129	70 - 130	8	20
C10-C28)									

LCSD LCSD

%Recovery Qualifier Limits Surrogate 137 S1+ 70 - 130 1-Chlorooctane 146 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 880-52592-A-28-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 99300

Prep Type: Total/NA

Prep Batch: 98964

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U F1	998	674.0	F1	mg/Kg		68	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.8	U	998	790.9		mg/Kg		79	70 - 130	
C10-C28)										

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

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

MS MS

Lab Sample ID: 880-52592-A-28-D MS

Matrix: Solid

Matrix: Solid

C10-C28)

Analysis Batch: 99300

Lab Sample ID: 880-52592-A-28-E MSD

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

Prep Batch: 98964

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 89 70 - 130 o-Terphenyl 97 70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analysis Batch: 99300 Prep Batch: 98964 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <49.8 UF1 998 677.0 F1 68 70 - 130O 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 998 76 <49.8 U 754.4 mg/Kg 70 - 13020 5

MSD MSD

%Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 104 98 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 98925

Matrix: Solid

Lab Sample ID: MB 880-98896/1-A

мв мв

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 10.0 <10.0 U mg/Kg 12/27/24 10:47

Lab Sample ID: LCS 880-98896/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 98925

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 254.9 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-98896/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 98925

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 255.7 102 90 - 110 20 mg/Kg

Lab Sample ID: 880-52659-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid**

Analysis Batch: 98925

7 manyolo Batom 00020										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	358	F1	251	549.6	F1	mg/Kg		76	90 - 110	

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Job ID: 880-52600-1 Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: 2608

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52659-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98925

Sample Sample MSD MSD RPD Spike %Rec Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 358 F1 251 549.2 F1 mg/Kg 76 90 - 110 20

Lab Sample ID: MB 880-98881/1-A Client Sample ID: Method Blank Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 98951

мв мв

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 12/28/24 00:10

Lab Sample ID: LCS 880-98881/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 98951

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 261.1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-98881/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98951

LCSD LCSD RPD Spike %Rec Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 250 261.1 104 90 - 110 20 mg/Kg

Lab Sample ID: 880-52592-A-41-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98951

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 106 F1 Chloride 249 418.2 F1 mg/Kg 126 90 - 110

Lab Sample ID: 880-52592-A-41-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 98951

Sample Spike MSD MSD %Rec RPD Sample Result Qualifier Added Qualifier RPD Analyte Result Unit D %Rec Limits Limit Chloride 106 F1 249 418.6 F1 mg/Kg 126 90 - 110

Lab Sample ID: MB 880-98882/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

мв мв

Result Qualifier RL MDL Analyte Unit Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 12/30/24 16:14 mg/Kg

Lab Sample ID: LCS 880-98882/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 99064

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 236.9 mg/Kg 95 90 - 110

Eurofins Midland

1/3/2025

Client: Carmona Resources Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-98882/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 99064

Spike LCSD LCSD %Rec RPD Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Chloride 250 237.1 mg/Kg 95 90 - 110

Lab Sample ID: 880-52600-2 MS **Client Sample ID: H-2 (0-0.5') Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 99064 Sample Sample Spike MS MS %Rec

Result Qualifier Added Limits Analyte Result Qualifier Unit D %Rec Chloride 79.6 248 321.3 mg/Kg 98 90 - 110

Lab Sample ID: 880-52600-2 MSD **Client Sample ID: H-2 (0-0.5')**

Matrix: Solid Prep Type: Soluble

Analysis Batch: 99064 MSD MSD Sample Sample Spike

%Rec RPD Result Qualifier Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 79.6 248 322.3 90 - 110 20 mg/Kg

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1 SDG: 2608

GC VOA

Prep Batch: 98785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98785/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 98908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	8021B	98912
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	8021B	98912
MB 880-98912/5-A	Method Blank	Total/NA	Solid	8021B	98912
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	8021B	98912
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98912
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	98912
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98912

Prep Batch: 98912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-98912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7511-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7511-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 98915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-98915/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98915/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98915/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7515-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7515-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	8021B	98969
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	8021B	98969
MB 880-98785/5-A	Method Blank	Total/NA	Solid	8021B	98785
MB 880-98969/5-A	Method Blank	Total/NA	Solid	8021B	98969
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	8021B	98969
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98969
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	98969
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98969

Prep Batch: 98969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-98969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

GC VOA

Analysis Batch: 99010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 99020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	8021B	98915
MB 880-98915/5-A	Method Blank	Total/NA	Solid	8021B	98915
LCS 880-98915/1-A	Lab Control Sample	Total/NA	Solid	8021B	98915
LCSD 880-98915/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98915
890-7515-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	98915
890-7515-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98915

GC Semi VOA

Prep Batch: 98964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-98964/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98964/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98964/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52592-A-28-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52592-A-28-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	98964
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	98964
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	98964
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	98964
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	98964
MB 880-98964/1-A	Method Blank	Total/NA	Solid	8015B NM	98964
LCS 880-98964/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98964
LCSD 880-98964/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98964
880-52592-A-28-D MS	Matrix Spike	Total/NA	Solid	8015B NM	98964
880-52592-A-28-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98964

Analysis Batch: 99430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-52600-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-52600-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-52600-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-52600-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1 SDG: 2608

HPLC/IC

Leach Batch: 98881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-98881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 98882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-52600-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-98882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52600-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-52600-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 98896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-52600-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-98896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 98925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-4	H-4 (0-0.5')	Soluble	Solid	300.0	98896
880-52600-5	H-5 (0-0.5')	Soluble	Solid	300.0	98896
MB 880-98896/1-A	Method Blank	Soluble	Solid	300.0	98896
LCS 880-98896/2-A	Lab Control Sample	Soluble	Solid	300.0	98896
LCSD 880-98896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98896
880-52659-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	98896
880-52659-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98896

Analysis Batch: 98951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-1	H-1 (0-0.5')	Soluble	Solid	300.0	98881
MB 880-98881/1-A	Method Blank	Soluble	Solid	300.0	98881
LCS 880-98881/2-A	Lab Control Sample	Soluble	Solid	300.0	98881
LCSD 880-98881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98881
880-52592-A-41-C MS	Matrix Spike	Soluble	Solid	300.0	98881
880-52592-A-41-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98881

Analysis Batch: 99064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52600-2	H-2 (0-0.5')	Soluble	Solid	300.0	98882
880-52600-3	H-3 (0-0.5')	Soluble	Solid	300.0	98882
MB 880-98882/1-A	Method Blank	Soluble	Solid	300.0	98882

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Client: Carmona Resources Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

HPLC/IC (Continued)

Analysis Batch: 99064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-98882/2-A	Lab Control Sample	Soluble	Solid	300.0	98882
LCSD 880-98882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98882
880-52600-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	98882
880-52600-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	98882

Client Sample ID: H-1 (0-0.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-1

Matrix: Solid

	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	98912	12/27/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98908	12/27/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99010	12/27/24 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			99430	01/02/25 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98964	12/27/24 14:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 17:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98881	12/26/24 16:15	CH	EET MID
Soluble	Analysis	300.0		1			98951	12/28/24 03:06	CH	EET MID

Client Sample ID: H-2 (0-0.5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-2

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.01 g 5 mL 98912 12/27/24 08:43 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 98908 12/27/24 14:39 MNR Total/NA Total BTEX 99010 12/27/24 14:39 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 99430 01/02/25 17:56 SM **EET MID** Total/NA 98964 Prep 8015NM Prep 10.06 g 10 mL 12/27/24 14:03 FΙ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 99300 01/02/25 17:56 TKC **EET MID** Soluble 12/26/24 16:16 СН Leach DI Leach 5.05 g 50 mL 98882 EET MID Soluble Analysis 300.0 50 mL 50 mL 99064 12/30/24 16:32 СН **EET MID**

Client Sample ID: H-3 (0-0.5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98915	12/27/24 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99020	12/30/24 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99010	12/30/24 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			99430	01/02/25 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98964	12/27/24 14:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 18:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98882	12/26/24 16:16	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99064	12/30/24 16:50	CH	EET MID

Client Sample ID: H-4 (0-0.5')

Date Collected: 12/19/24 00:00

Date Received: 12/23/24 12:41

.2,00,20.00	· · ·	
Lab Samp	le ID:	880-52600-4
		Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 07:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99010	12/28/24 07:41	SM	EET MID

Lab Chronicle

Client: Carmona Resources

Soluble

Soluble

Project/Site: Paloma 21 Federal Battery (12.11.24)

Leach

Analysis

Job ID: 880-52600-1

SDG: 2608

Client Sample ID: H-4 (0-0.5')

Date Collected: 12/19/24 00:00 Date Received: 12/23/24 12:41

Lab Sample ID: 880-52600-4

Matrix: Solid

EET MID

EET MID

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 99430 Analysis 01/02/25 18:29 SM **EET MID** Total/NA Prep 8015NM Prep 10.05 g 10 mL 98964 12/27/24 14:03 EL **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 99300 01/02/25 18:29 TKC EET MID

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Lab Sample ID: 880-52600-5

CH

СН

Client Sample ID: H-5 (0-0.5') Date Collected: 12/19/24 00:00 **Matrix: Solid**

5.02 g

50 mL

98896

98925

12/26/24 17:34

12/27/24 11:23

Date Received: 12/23/24 12:41

	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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 08:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99010	12/28/24 08:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			99430	01/02/25 18:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98964	12/27/24 14:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 18:45	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98896	12/26/24 17:34	CH	EET MID
Soluble	Analysis	300.0		1			98925	12/27/24 11:29	CH	EET MID

Laboratory References:

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

DI Leach

300.0

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-52600-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: 2608

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-52600-1

SDG: 2608

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52600-1	H-1 (0-0.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52600-2	H-2 (0-0.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52600-3	H-3 (0-0.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52600-4	H-4 (0-0.5')	Solid	12/19/24 00:00	12/23/24 12:41
880-52600-5	H-5 (0-0.5')	Solid	12/19/24 00:00	12/23/24 12:41

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e ZIP:	Midland, TX 79701				City, State ZIP:		Mi d	land, Te	Midland, Texas 79707	7			77	Reporting:Level II Level III	Level II	Leve	Ě	□st/ust	T □RRP		□Level IV □
	432-813-6823			Email:	Email: Granth@forl.com & addisong@forl.com	orl.com &	addison	д@боп.	com					Deliverables: EDD	es: ED		≥	ADaPT 🗆] Other:	er.	
Project Name:	Paloma 21 Federal Battery (12.11.24)	eral Battery	(12.11.24)	Turn	Turn Around						ANA	ANALYSIS REQUEST	REQUE	TS				_	Preser	Preservative Codes	odes
Project Number:		2608		[Routine	Rush	C Pr	Pres. Code											No	None: NO	DI W	DI Water: H ₂ 0
Project Location	Lea Cour	Lea County, New Mexico	xico	Due Date:	Standard	L.,)										Coc	Cool: Cool	MeOH: Me	.÷ Me
Sampler's Name:		CRM						IRO)							_			НС	HCL: HC	HNO3: HN	Ĭ
PO #:			l				rs	+ M										H ₂ (H ₂ SO ₄ : H ₂	NaOH: Na	: Na
SAMPLE RECEIPT	PT Temp Blank:	ank:	Yes (No)	Wet Ice:	Yes No		nete 1B	DRO	0.0									H ₃ F	H₃PO₄: HP		
Received Intact:	Yes	2	Thermometer ID:		TX	7	_	_	de 30	_								Na	NaHSO ₄ : NABIS	BIS	
Cooler Custody Seals:	Yes No	NIR	Correction Factor.	ā	19		TEX	_	nlori									Na	Na2S2O3: NaSO3	SO ₃	
Sample Custody Seals:	s: Yes No	NA	Temperature Reading:	ading:	2.0	L	-		CI		_							Zn.	Zn Acetate+NaOH: Zn	laOH: Zn	
Total Containers:		0	Corrected Temperature:	erature:	7,9	Ľ	-	1 801		_								Na	NaOH+Ascorbic Acid: SAPC	bic Acid: S	APC
Sample Identification	tification	Date	Time	Soil	Water	Grab/ #	# of Cont	TPI											Sample	Sample Comments	ents
H-1 (0-0.5')		12/19/2024		×		G	1 	×	×									-			
H-2 (0-0.5')		12/19/2024		×		G	1 ×	×	×	_				-	-			-			
H-3 (0-0.5')		12/19/2024		×		G	1 ×	×	×		_			_				\dashv			
H-4 (0-0.5')		12/19/2024		×		G	1 ×	×	×		_							-			
H-5 (0-0.5')		12/19/2024		×		G	1 ×	×	×	_	-							H			
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Login Sample Receipt Checklist

Client: Carmona Resources Job Nu

Job Number: 880-52600-1

SDG Number: 2608

Login Number: 52600 List Source: Eurofins Midland

List Number: 1 Creator: Lee, Randell

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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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 2/5/2025 3:48:57 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) Lea County, New Mexico

JOB NUMBER

880-53994-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

Page 2 of 28 2/5/2025 Released to Imaging: 4/2/2025 4:25:06 PM

Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-53994-1 SDG: Lea County, New Mexico

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Definitions/Glossary

Job ID: 880-53994-1 Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

*+ LCS and/or LCSD is outside acceptance limits, high biased.

*1 LCS/LCSD RPD exceeds control limits.

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviatio	on These commonly used abbreviations may or may not be present in this report.	
₩	Listed under the "D" column to designate that the result is reported on a dry weight basis	

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-53994-1

Project: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1 Eurofins Midland

Job Narrative 880-53994-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 2/4/2025 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-53994-1), CS-2 (1.5') (880-53994-2), SW-1 (1.5') (880-53994-3), SW-2 (1.5') (880-53994-4), SW-3 (1.5') (880-53994-5) and SW-4 (1.5') (880-53994-6).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS-2 (1.5') (880-53994-2). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (1.5') (880-53994-1) and (890-7623-A-9-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-101949 and analytical batch 880-101962 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-101949 and analytical batch 880-101962 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-101947 and analytical batch 880-101960 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (1.5') (880-53994-3), SW-2 (1.5') (880-53994-4) and (890-7623-A-16-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-101947/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

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Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

Lab Sample ID: 880-53994-1

Client Sample ID: CS-1 (1.5') Date Collected: 02/03/25 00:00

Matrix: Solid

Job ID: 880-53994-1

Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/04/25 09:25	02/04/25 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/04/25 09:25	02/04/25 13:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/04/25 09:25	02/04/25 13:17	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	11	0.00399		mg/Kg			02/04/25 13:17	1
-	-0.00000	J	0.00399		mg/rxg			02/04/23 13.17	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI		n	Propared		
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
- -	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte	Result <pre><49.8</pre>	ics (DRO) (Gualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Gualifier	GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.8 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg		· · ·	Analyzed 02/04/25 12:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <49.8 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.8 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 02/04/25 12:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result Result Result Result 49.8 49.8 449.8 449.8	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09	Dil Fac Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result Result Result 49.8 Result 49.8	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 02/04/25 08:18	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 <49.8 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18 02/04/25 08:18 Prepared	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09 02/04/25 12:09 Analyzed	Dil Fac Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (COMPANIES (DRO) (DR	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09 02/04/25 12:09	Dil Fac Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 <49.8 %Recovery 73	ics (DRO) (COMPANIES (DRO) (DR	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18 02/04/25 08:18 Prepared	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09 02/04/25 12:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 73 62	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier S1-	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18 02/04/25 08:18 Prepared 02/04/25 08:18	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09 02/04/25 12:09 Analyzed 02/04/25 12:09	Dil Fac Dil Fac 1 Dil Fac 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 49.8 %Recovery 73 62 Chromatograp	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier S1-	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 02/04/25 08:18 02/04/25 08:18 02/04/25 08:18 Prepared 02/04/25 08:18	Analyzed 02/04/25 12:09 Analyzed 02/04/25 12:09 02/04/25 12:09 02/04/25 12:09 Analyzed 02/04/25 12:09	Dil Fac 1 Dil Fac 1 1 Dil Fac 1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-53994-2

Date Collected: 02/03/25 00:00 Date Received: 02/04/25 08:50

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/04/25 09:25	02/04/25 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/04/25 09:25	02/04/25 13:38	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/04/25 09:25	02/04/25 13:38	1

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-53994-2

Matrix: Solid

Client Sample ID: CS-2 (1.5')

Date Collected: 02/03/25 00:00 Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/04/25 13:38	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	<49.7	U	49.7		mg/Kg			02/04/25 12:23	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	<49.7	U	49.7		mg/Kg		02/04/25 08:18	02/04/25 12:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		02/04/25 08:18	02/04/25 12:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/04/25 08:18	02/04/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/04/25 08:18	02/04/25 12:23	1
o-Terphenyl	58	S1-	70 - 130				02/04/25 08:18	02/04/25 12:23	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		10.1		mg/Kg			02/04/25 21:38	

Client Sample ID: SW-1 (1.5') Lab Sample ID: 880-53994-3 Date Collected: 02/03/25 00:00 **Matrix: Solid**

Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/04/25 09:25	02/04/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				02/04/25 09:25	02/04/25 13:58	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	90 - Total BTEX Cald	culation	70 - 130				02/04/25 09:25	02/04/25 13:58	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	02/04/25 09:25 Prepared	Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL	Unit mg/Kg	<u>D</u>			•
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401 sel Range Organ	Qualifier U	RL 0.00401			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00401 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 02/04/25 13:58	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 sel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 02/04/25 13:58 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 sel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 02/04/25 13:58 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00401 sel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 02/04/25 13:58 Analyzed 02/04/25 13:03	Dil Fac Dil Fac

Client: Carmona Resources

Job ID: 880-53994-1 SDG: Lea County, New Mexico Project/Site: Paloma 21 Federal Battery (12.11.24)

Lab Sample ID: 880-53994-3

Client Sample ID: SW-1 (1.5') Date Collected: 02/03/25 00:00

Date Received: 02/04/25 08:50

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	inics (DRO)	(GC) (Continu	ıed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/04/25 08:21	02/04/25 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			02/04/25 08:21	02/04/25 13:03	1
o-Terphenyl	63	S1-	70 - 130			02/04/25 08:21	02/04/25 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <10.1 U 10.1 02/04/25 21:44 mg/Kg

Client Sample ID: SW-2 (1.5')

Date Collected: 02/03/25 00:00

Lab Sample ID: 880-53994-4

Matrix: Solid

Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/04/25 09:25	02/04/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/04/25 09:25	02/04/25 14:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/04/25 09:25	02/04/25 14:19	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/04/25 14:19	1

Method: SW846 8015 NM - Diesel Ra	nge Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/04/25 13:20	1
Mothod: SW846 8015B NM - Diosol B	ango Orga	nice (DPO) (CC)						

Method: SW846 8015B NM - Dies	sel Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				02/04/25 08:21	02/04/25 13:20	1
o-Ternhenyl	61	S1-	70 130				02/04/25 08:21	02/04/25 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/04/25 21:50	1

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Lab Sample ID: 880-53094-5

Lab Sample ID: 880-53994-5

SDG: Lea County, New Mexico

Matrix: Solid

Job ID: 880-53994-1

Client Sample ID: SW-3 (1.5')
Date Collected: 02/03/25 00:00

Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 14:39	
Toluene	< 0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 14:39	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 14:39	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/04/25 09:25	02/04/25 14:39	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		02/04/25 09:25	02/04/25 14:39	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/04/25 09:25	02/04/25 14:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				02/04/25 09:25	02/04/25 14:39	
1,4-Difluorobenzene (Surr)	96		70 - 130				02/04/25 09:25	02/04/25 14:39	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/04/25 14:39	1
Method: SW846 8015 NM - Diese	ei Kange Organ	ics (DRO) (
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/04/25 13:03	
Total TPH	Result <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga	Qualifier U	RL 49.9			<u>D</u>	Prepared Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier Unics (DRO)	RL 49.9 (GC)		mg/Kg			02/04/25 13:03	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U *+ *1	(GC)		mg/Kg		Prepared	02/04/25 13:03 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U *+ *1	(GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 02/04/25 08:24	02/04/25 13:03 Analyzed 02/04/25 13:03	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U *+ *1 U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:24 02/04/25 08:24	02/04/25 13:03 Analyzed 02/04/25 13:03 02/04/25 13:03	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U *+ *1 U	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:24 02/04/25 08:24 02/04/25 08:24	02/04/25 13:03 Analyzed 02/04/25 13:03 02/04/25 13:03 02/04/25 13:03	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (DRO) Qualifier U *+ *1 U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:24 02/04/25 08:24 02/04/25 08:24 Prepared	02/04/25 13:03 Analyzed 02/04/25 13:03 02/04/25 13:03 02/04/25 13:03 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U *+ *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:24 02/04/25 08:24 02/04/25 08:24 Prepared 02/04/25 08:24	02/04/25 13:03 Analyzed 02/04/25 13:03 02/04/25 13:03 02/04/25 13:03 Analyzed 02/04/25 13:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Result <49.9	Qualifier U nics (DRO) Qualifier U *+ *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/04/25 08:24 02/04/25 08:24 02/04/25 08:24 Prepared 02/04/25 08:24	02/04/25 13:03 Analyzed 02/04/25 13:03 02/04/25 13:03 02/04/25 13:03 Analyzed 02/04/25 13:03	Dil Fac

Client Sample ID: SW-4 (1.5')

Date Collected: 02/03/25 00:00

Lab Sample ID: 880-53994-6

Matrix: Solid

Date Received: 02/04/25 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/04/25 09:25	02/04/25 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				02/04/25 09:25	02/04/25 16:44	1
1.4-Difluorobenzene (Surr)	93		70 - 130				02/04/25 09:25	02/04/25 16:44	1

Eurofins Midland

3

5

7

9

11

13

14

Client: Carmona Resources

Date Received: 02/04/25 08:50

o-Terphenyl

Analyte

Chloride

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5') Lab Sample ID: 880-53994-6 Date Collected: 02/03/25 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/04/25 16:44	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			02/04/25 13:20	1
Method: SW846 8015B NM - Dies			•	MDI	Unit	n	Prenared	Analyzod	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
	Result		•	MDL	Unit mg/Kg	<u>D</u>	Prepared 02/04/25 08:24	Analyzed 02/04/25 13:20	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U *+ *1	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.0	Qualifier U *+ *1	RL 50.0	MDL	mg/Kg	<u>D</u>	02/04/25 08:24	02/04/25 13:20	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U *+ *1	RL 50.0	MDL	mg/Kg	<u>D</u>	02/04/25 08:24	02/04/25 13:20	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U *+ *1 U	RL 50.0	MDL	mg/Kg	<u> </u>	02/04/25 08:24 02/04/25 08:24	02/04/25 13:20	Dil Fac

70 - 130

RL

10.0

101

<10.0 U

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

MDL Unit D Prepared Analyzed Dil Fac mg/Kg 02/04/25 22:02

02/04/25 13:20

02/04/25 08:24

Surrogate Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-53985-A-1-C MS	Matrix Spike	123	104	
880-53985-A-1-D MSD	Matrix Spike Duplicate	95	103	
880-53994-1	CS-1 (1.5')	93	91	
880-53994-2	CS-2 (1.5')	97	94	
880-53994-3	SW-1 (1.5')	95	90	
880-53994-4	SW-2 (1.5')	98	95	
880-53994-5	SW-3 (1.5')	100	96	
880-53994-6	SW-4 (1.5')	96	93	
LCS 880-101953/1-A	Lab Control Sample	99	103	
LCSD 880-101953/2-A	Lab Control Sample Dup	99	104	
MB 880-101953/5-A	Method Blank	88	88	
Surrogate Legend BFB = 4-Bromofluoroben				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		1001	OTPH1	
·	t Sample ID	(70-130)	(70-130)	
94-1 CS-1	(1.5')	73	62 S1-	
94-2 CS-2	(1.5')	68 S1-	58 S1-	
94-3 SW-1	(1.5')	75	63 S1-	
94-4 SW-2	(1.5')	71	61 S1-	
94-5 SW-3	(1.5')	128	105	
94-6 SW-4	(1.5')	121	101	
3-A-9-B MS Matrix	Spike	88	73	
3-A-9-C MSD Matrix	Spike Duplicate	87	72	
3-A-16-B MS Matrix	Spike	74	74	
3-A-16-C MSD Matrix	Spike Duplicate	75	74	
3-A-23-B MS Matrix	Spike	119	105	
3-A-23-C MSD Matrix	Spike Duplicate	121	109	
)-101944/2-A Lab C	ontrol Sample	82	71	
)-101947/2-A Lab C	ontrol Sample	68 S1-	71	
)-101949/2-A Lab C	ontrol Sample	104	104	
80-101944/3-A Lab C	ontrol Sample Dup	85	73	
80-101947/3-A Lab C	ontrol Sample Dup	71	71	
80-101949/3-A Lab C	ontrol Sample Dup	110	100	
101944/1-A Metho	od Blank	81	73	
-101947/1-A Metho	od Blank	91	84	
-101949/1-A Metho	od Blank	117	97	
ogate Legend				

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-53994-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101953/5-A

Lab Sample ID: LCS 880-101953/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 101945

Analysis Batch: 101945

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101953

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/04/25 08:29	02/04/25 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/04/25 08:29	02/04/25 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/04/25 08:29	02/04/25 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/04/25 08:29	02/04/25 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/04/25 08:29	02/04/25 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/04/25 08:29	02/04/25 11:13	1

MB MB

Surrogate	%Recovery C	Qualifier Lim	ts	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88	70 -	130	02/04/25 08:29	02/04/25 11:13	1
1,4-Difluorobenzene (Surr)	88	70 -	130	02/04/25 08:29	02/04/25 11:13	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101953

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09615 mg/Kg 96 70 - 130 Toluene 0.100 0.09727 mg/Kg 97 70 - 130 0.100 Ethylbenzene 0.09629 mg/Kg 96 70 - 130 0.200 94 70 - 130 m-Xylene & p-Xylene 0.1871 mg/Kg 0.100 0.09061 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analyte

Analysis Batch: 101945

Lab Sample ID: LCSD 880-101953/2-A

						Prep I	Batch: 1	01953	
Spike	LCSD	LCSD				%Rec		RPD	
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.100	0.09008		mg/Kg		90	70 - 130	7	35	

Benzene Toluene 0.100 0.09052 mg/Kg 91 70 - 130 35 Ethylbenzene 0.100 0.08824 mg/Kg 88 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1733 mg/Kg 87 70 - 130 35 0.100 0.08492 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1.4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-53985-A-1-C MS

Matrix: Solid

Analysis Batch: 101945

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

Prep Batch: 101953

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.100	0.1027		mg/Kg		103	70 - 130	
Toluene	<0.00198	U	0.100	0.1049		mg/Kg		105	70 - 130	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53985-A-1-C MS

Matrix: Solid

Analysis Batch: 101945

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101953

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00198	U	0.100	0.1043		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2398		mg/Kg		120	70 - 130	
o-Xylene	<0.00198	U	0.100	0.1159		mg/Kg		116	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	123	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101953

Lab Sample ID: 880-53985-A-1-D MSD **Matrix: Solid**

Analysis Batch: 101945

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier %Rec RPD Limit Analyte Unit Limits 0.100 Benzene <0.00198 U 0.1032 mg/Kg 103 70 - 130 35 0.1012 Toluene <0.00198 U 0.100 mg/Kg 101 70 - 130 4 35 Ethylbenzene <0.00198 U 0.100 0.09616 mg/Kg 96 70 - 130 8 35 0.200 70 - 130 35 m-Xylene & p-Xylene <0.00396 U 0.1847 mg/Kg 92 26 <0.00198 U 0.100 0.08948 89 70 - 130 26 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-101944/1-A

Matrix: Solid

Analysis Batch: 101958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101944

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/04/25 08:18	02/04/25 07:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/04/25 08:18	02/04/25 07:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/04/25 08:18	02/04/25 07:38	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/04/25 08	18 02/04/25 07:38	1
o-Terphenyl	73		70 - 130	02/04/25 08	18 02/04/25 07:38	1

Lab Sample ID: LCS 880-101944/2-A

Matrix: Solid

Analysis Batch: 101958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101944

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	995.4		mg/Kg		100	70 - 130	 _
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	935.0		mg/Kg		94	70 - 130	
C10-C28)								

Client: Carmona Resources

Job ID: 880-53994-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: Lea County, New Mexico

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

LCS LCS

Lab Sample ID: LCS 880-101944/2-A **Matrix: Solid**

Analysis Batch: 101958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101944

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	82	70 _ 130
o-Terphenyl	71	70 - 130

Lab Sample ID: LCSD 880-101944/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 101958

Prep Type: Total/NA

Prep Batch: 101944

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1045		mg/Kg		105	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	948.1		mg/Kg		95	70 - 130	1	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery C	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-7623-A-9-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 101958

Prep Type: Total/NA

Prep Batch: 101944

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	828.6		mg/Kg		83	70 - 130	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	998	813.3		mg/Kg		79	70 - 130	
C10-C28)										

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-7623-A-9-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 101958

Prep Type: Total/NA

Prep Batch: 101944

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	998	795.7		mg/Kg		80	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	998	792.6		mg/Kg		77	70 - 130	3	20
C10-C28)											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	72		70 - 130

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-101947/1-A

Matrix: Solid

Analysis Batch: 101960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101947

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/04/25 08:21	02/04/25 08:35	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				02/04/25 08:21	02/04/25 08:35	1
o-Terphenyl	84		70 - 130				02/04/25 08:21	02/04/25 08:35	1

Lab Sample ID: LCS 880-101947/2-A

Matrix: Solid

Analysis Batch: 101960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101947

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 855.7 86 70 - 130 mg/Kg (GRO)-C6-C10 1000 840.0 70 - 130 Diesel Range Organics (Over mg/Kg 84 C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 68 S1-70 - 130 o-Terphenyl 71 70 - 130

Lab Sample ID: LCSD 880-101947/3-A

Matrix: Solid

Analysis Batch: 101960

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101947

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	706.6		mg/Kg		71	70 - 130	19	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	719.2		mg/Kg		72	70 - 130	15	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 71 71 70 - 130 o-Terphenyl

Lab Sample ID: 890-7623-A-16-B MS

Matrix: Solid

Analysis Batch: 101960

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

Prep Batch: 101947

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	994	691.3		mg/Kg		70	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	994	730.2		mg/Kg		73	70 - 130	
C10-C28)										

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

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

Lab Sample ID: 890-7623-A-16-B MS

Matrix: Solid

Analysis Batch: 101960

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101947

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 _ 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-7623-A-16-C MSD

Matrix: Solid

Analysis Batch: 101960

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101947

7 manyone Batom 101000										-	• . •
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	994	700.4		mg/Kg		70	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	994	730.4		mg/Kg		73	70 - 130	0	20

MSD MSD

MB MB

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: MB 880-101949/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 101962

Prep Type: Total/NA **Prep Batch: 101949**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/04/25 08:23	02/04/25 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/04/25 08:23	02/04/25 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/04/25 08:23	02/04/25 08:35	1
	MB	MB							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	02/04/25 08:23	02/04/25 08:35	1
o-Terphenyl	97		70 - 130	02/04/25 08:23	02/04/25 08:35	1

Lab Sample ID: LCS 880-101949/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA Analysis Batch: 101962 **Prep Batch: 101949**

Spi	ke LCS	LCS				%Rec	
Analyte Add	ed Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics 10	00 1055		mg/Kg		105	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over 10	00 1046		mg/Kg		105	70 - 130	
C10-C28)							

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	104		70 - 130

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-101949/3-A

Matrix: Solid

Analysis Batch: 101962

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101949

Prep Type: Total/NA **Prep Batch: 101949**

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1334	*+ *1	mg/Kg		133	70 - 130	23	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1251		mg/Kg		125	70 - 130	18	20

C10-C28)

LCSD LCSD

<50.0 U

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-7623-A-23-B MS Client Sample ID: Matrix Spike

908.2

mg/Kg

Matrix: Solid

Analysis Batch: 101962

Diesel Range Organics (Over

									-	
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U *+ *1	998	845.2		mg/Kg		85	70 - 130	
(GRO)-C6-C10										

998

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-7623-A-23-C MSD

Matrix: Solid

Analysis Batch: 101962

Client Sampl	e ID: Matrix	Spike Duplicate
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70 - 130

Prep Type: Total/NA **Prep Batch: 101949**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	998	892.6		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	961.4		mg/Kg		96	70 - 130	6	20

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	109		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102008/1-A

Matrix: Solid

Analysis Batch: 102012

Client Sample ID: Method Blank

Prep Type: Soluble

MB MB

MSD MSD

Analyte	Result	Qualifier	RL	MDL Un		Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg	g/Kg		02/04/25 19:04	1

Client: Carmona Resources

Job ID: 880-53994-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

Prep Type: Soluble

Prep Type: Soluble

0

RPD

Limit

Client Sample ID: Lab Control Sample

90 - 110

92

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102008/2-A **Matrix: Solid**

Analysis Batch: 102012

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 230.1 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-102008/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 102012

Chloride

Spike LCSD LCSD %Rec Added RPD Analyte Result Qualifier Unit D %Rec Limits 250

Lab Sample ID: 820-17249-A-11-D MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble

230.4

mg/Kg

Analysis Batch: 102012

MS MS %Rec Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 58.0 253 307.9 90 - 110 mg/Kg

Lab Sample ID: 820-17249-A-11-E MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 102012

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 308.2 Chloride 58.0 253 90 - 110 0 20 mg/Kg

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 101945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	8021B	101953
880-53994-2	CS-2 (1.5')	Total/NA	Solid	8021B	101953
880-53994-3	SW-1 (1.5')	Total/NA	Solid	8021B	101953
880-53994-4	SW-2 (1.5')	Total/NA	Solid	8021B	101953
880-53994-5	SW-3 (1.5')	Total/NA	Solid	8021B	101953
880-53994-6	SW-4 (1.5')	Total/NA	Solid	8021B	101953
MB 880-101953/5-A	Method Blank	Total/NA	Solid	8021B	101953
LCS 880-101953/1-A	Lab Control Sample	Total/NA	Solid	8021B	101953
LCSD 880-101953/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101953
880-53985-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	101953
880-53985-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101953

Prep Batch: 101953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-53994-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-53994-3	SW-1 (1.5')	Total/NA	Solid	5035	
880-53994-4	SW-2 (1.5')	Total/NA	Solid	5035	
880-53994-5	SW-3 (1.5')	Total/NA	Solid	5035	
880-53994-6	SW-4 (1.5')	Total/NA	Solid	5035	
MB 880-101953/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101953/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101953/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53985-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-53985-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 102015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53994-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-53994-3	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53994-4	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-53994-5	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-53994-6	SW-4 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 101944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-53994-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-101944/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101944/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101944/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7623-A-9-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7623-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 101947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-3	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-53994-4	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 101947 (Continued)

Lab Sample ID Client Sample ID MB 880-101947/1-A Method Blank LCS 880-101947/2-A Lab Control Sample LCSD 880-101947/3-A Lab Control Sample Dup	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch	
LCS 880-101947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7623-A-16-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7623-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 101949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-5	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-53994-6	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-101949/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101949/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7623-A-23-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7623-A-23-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	101944
880-53994-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	101944
MB 880-101944/1-A	Method Blank	Total/NA	Solid	8015B NM	101944
LCS 880-101944/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101944
LCSD 880-101944/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101944
890-7623-A-9-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101944
890-7623-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101944

Analysis Batch: 101960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-3	SW-1 (1.5')	Total/NA	Solid	8015B NM	101947
880-53994-4	SW-2 (1.5')	Total/NA	Solid	8015B NM	101947
MB 880-101947/1-A	Method Blank	Total/NA	Solid	8015B NM	101947
LCS 880-101947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101947
LCSD 880-101947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101947
890-7623-A-16-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101947
890-7623-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101947

Analysis Batch: 101962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-5	SW-3 (1.5')	Total/NA	Solid	8015B NM	101949
880-53994-6	SW-4 (1.5')	Total/NA	Solid	8015B NM	101949
MB 880-101949/1-A	Method Blank	Total/NA	Solid	8015B NM	101949
LCS 880-101949/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101949
LCSD 880-101949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101949
890-7623-A-23-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101949
890-7623-A-23-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101949

Analysis Batch: 102011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-53994-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-53994-3	SW-1 (1.5')	Total/NA	Solid	8015 NM	

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 102011 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-4	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-53994-5	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-53994-6	SW-4 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-53994-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-53994-3	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-53994-4	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-53994-5	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-53994-6	SW-4 (1.5')	Soluble	Solid	DI Leach	
MB 880-102008/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102008/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102008/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-17249-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
820-17249-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 102012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53994-1	CS-1 (1.5')	Soluble	Solid	300.0	102008
880-53994-2	CS-2 (1.5')	Soluble	Solid	300.0	102008
880-53994-3	SW-1 (1.5')	Soluble	Solid	300.0	102008
880-53994-4	SW-2 (1.5')	Soluble	Solid	300.0	102008
880-53994-5	SW-3 (1.5')	Soluble	Solid	300.0	102008
880-53994-6	SW-4 (1.5')	Soluble	Solid	300.0	102008
MB 880-102008/1-A	Method Blank	Soluble	Solid	300.0	102008
LCS 880-102008/2-A	Lab Control Sample	Soluble	Solid	300.0	102008
LCSD 880-102008/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102008
820-17249-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	102008
820-17249-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	102008

Eurofins Midland

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Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Lab Sample ID: 880-53994-1

SDG: Lea County, New Mexico

Matrix: Solid

Job ID: 880-53994-1

Client Sample ID: CS-1	(1.5')
Date Collected: 02/03/25 00:0	00

Date Received: 02/04/25 08:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 13:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102011	02/04/25 12:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101944	02/04/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101958	02/04/25 12:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 21:33	CH	EET MID

Client Sample ID: CS-2 (1.5') Lab Sample ID: 880-53994-2 Date Collected: 02/03/25 00:00 Matrix: Solid

Date Received: 02/04/25 08:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 13:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102011	02/04/25 12:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101944	02/04/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101958	02/04/25 12:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 21:38	CH	EET MID

Client Sample ID: SW-1 (1.5')

Date Collected: 02/03/25 00:00
Date Received: 02/04/25 08:50

Lab Sample ID: 880-53994-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102011	02/04/25 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101947	02/04/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101960	02/04/25 13:03	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 21:44	CH	EET MID

Client Sample ID: SW-2 (1.5') Lab Sample ID: 880-53994-4

Date Collected: 02/03/25 00:00

Date Received: 02/04/25 08:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 14:19	AJ	EET MID

Eurofins Midland

Matrix: Solid

Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: Lea County, New Mexico

Lab Sample ID: 880-53994-4

Client Sample ID: SW-2 (1.5') Date Collected: 02/03/25 00:00 Date Received: 02/04/25 08:50

Matrix: Solid

Job ID: 880-53994-1

	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			102011	02/04/25 13:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101947	02/04/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101960	02/04/25 13:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 21:50	СН	EET MID

Lab Sample ID: 880-53994-5

Matrix: Solid

Matrix: Solid

Date Collected: 02/03/25 00:00 Date Received: 02/04/25 08:50

Client Sample ID: SW-3 (1.5')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 14:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102011	02/04/25 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101949	02/04/25 08:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101962	02/04/25 13:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 21:56	CH	EET MID

Client Sample ID: SW-4 (1.5') Lab Sample ID: 880-53994-6

Date Collected: 02/03/25 00:00 Date Received: 02/04/25 08:50

	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	101953	02/04/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101945	02/04/25 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102015	02/04/25 16:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102011	02/04/25 13:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101949	02/04/25 08:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101962	02/04/25 13:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102008	02/04/25 13:37	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102012	02/04/25 22:02	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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Method Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-53994-1

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53994-1	CS-1 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50
880-53994-2	CS-2 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50
880-53994-3	SW-1 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50
880-53994-4	SW-2 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50
880-53994-5	SW-3 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50
880-53994-6	SW-4 (1.5')	Solid	02/03/25 00:00	02/04/25 08:50

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Project Manager.	Conner Moehring				Bill to: (if different)		Grant H	Grant Huckabay & Addison Guekler	Addison G	ıekler				Work O	Work Order Comments	nents	
	Carmona Resources	ces			Company Name	œ.	Fasken	Fasken Oil and Ranch	nch			Program: UST/PST PRP rownfields	IST/PST	JPRP [}rownfield:	□ RC	perfund
	310 W Wall St Ste 500	e 500			Address:		6101 Hc	6101 Holiday Hill Road	oad			State of Project:	oject:				
e ZIP:	Midland, TX 79701	3			City, State ZIP:		Midland	Midland, Texas 79707	707			Reporting:Level II Level III ST/UST	evel II	evel	□st/ust	RRP	□Level IV □
	432-813-6823			Email:	Email: Granth@forl.com & addisong@forl.com	com & addi	song@f	orl.com				Deliverables: EDD	SEDD		ADaPT 🗆	Other:	
Project Name:	Paloma 21 Federal Battery (12.11.24)	deral Battery	(12.11.24)	Turn	Turn Around					ANAL	ANALYSIS REQUEST	QUEST				Preserva	Preservative Codes
Project Number:		2608		Routine	Rush	Pres.									None	None: NO	DI Water: H ₂ O
Project Location	Lea Co	Lea County, New Mexico	exico	Due Date:	72 15										Cool	Cool: Cool	MeOH: Me
Sampler's Name:		CRM						IRO)			_				HCL: HC	HC	HNO ₃ : HN
PO#:						rs) + M							H ₂ S(H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	nete	_	DRO 0.0							Н ₃ Р(H ₃ PO ₄ : HP	
Received Intact:			~ 1		N	ram	802	O +							NaH	NaHSO ₄ : NABIS	U)
Cooler Custody Seals:	Yes	O NIA	Correction Factor.	Jr.	,1	Pa									Na ₂ S	Na2S2O3: NaSO3	3
Sample Custody Seals:	Yes	No (N/A)	Temperature Reading:	ading:	2		_								Zn A	Zn Acetate+NaOH: Zn	JH: Zn
Total Containers:			Corrected Temperature:	erature:	-2.6			1 801							NaO	H+Ascorbic	NaOH+Ascorbic Acid: SAPC
Sample Identification	tification	Date	Time	Soil	Water Comp	by # of		TPI								Sample (Sample Comments
CS-1 (1.5')	.5')	2/3/2025		×	C	1	×	×									
CS-2 (1.5')	.5')	2/3/2025		×	0	1	×	×									
SW-1 (1.5')	1.5")	2/3/2025		×	0	1	×	×									
SW-2 (1.5')	1.5")	2/3/2025		×	0	1	×	×									
SW-3 (1.5)	1.5")	2/3/2025		×	0	1	×	×									
SW-4 (1.5)	1.5')	2/3/2025		×	0	_	×	×									
								+			-						
										+	-						
Comments:																	
	Re	linquished b	Relinquished by: (Signature)				Date/Time	me			Re	Received by: (Signature)	gnature)				Dațe/Time
	R									A	A					2	1/25 1
																+	

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-53994-1 SDG Number: Lea County, New Mexico

Login Number: 53994 List Source: Eurofins Midland List Number: 1

Creator: Vasquez, Julisa

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701

Generated 2/7/2025 2:23:46 PM

JOB DESCRIPTION

Paloma 21 Federal Battery (12.11.24) Lea County, New Mexico

JOB NUMBER

880-54143-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

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Client: Carmona Resources Project/Site: Paloma 21 Federal Battery (12.11.24) Laboratory Job ID: 880-54143-1 SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-54143-1 Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

Qualifier Description

GC Semi VOA

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

Qualifier

DLC

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
\$	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

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 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

Presumptive PRES QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-54143-1

Project: Paloma 21 Federal Battery (12.11.24)

Eurofins Midland Job ID: 880-54143-1

Job Narrative 880-54143-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 2/6/2025 10:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Lazy Ace Land farm Pit (880-54143-1).

Method 8021B: Surrogate recovery for the following samples were outside control limits: Lazy Ace Land farm Pit (880-54143-1), (CCV 880-102138/20), (LCS 880-102164/1-A), (880-54102-A-1-F) and (880-54102-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (880-54131-A-1-E MS) and (880-54131-A-1-F MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102119 and analytical batch 880-102154 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: Lazy Ace Land farm Pit (880-54143-1) and (880-54131-A-1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-102119 and analytical batch 880-102154 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1

SDG: Lea County, New Mexico

Client Sample ID: Lazy Ace Land farm Pit

Date Collected: 02/05/25 00:00 Date Received: 02/06/25 10:30

Lab Sample ID: 880-54143-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:00	02/06/25 13:04	
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:00	02/06/25 13:04	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:00	02/06/25 13:04	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/06/25 11:00	02/06/25 13:04	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:00	02/06/25 13:04	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/25 11:00	02/06/25 13:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				02/06/25 11:00	02/06/25 13:04	
1,4-Difluorobenzene (Surr)	81		70 - 130				02/06/25 11:00	02/06/25 13:04	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/06/25 13:04	•
Method: SW846 8015 NM - Diese			•						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			02/06/25 13:47	
Method: SW846 8015B NM - Dies	sel 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		02/06/25 11:10	02/06/25 13:47	•
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/06/25 11:10	02/06/25 13:47	
C10-C28)	00.0		00.0		9,9		02/00/20 11110	02/00/20 10:11	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/25 11:10	02/06/25 13:47	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	70		70 - 130				02/06/25 11:10	02/06/25 13:47	
o-Terphenyl	60	S1-	70 - 130				02/06/25 11:10	02/06/25 13:47	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
· · · · · · · · · · · · · · · · · · ·									

Surrogate Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-54102-A-1-D MS	Matrix Spike	128	79	
880-54102-A-1-E MSD	Matrix Spike Duplicate	140 S1+	79	
880-54143-1	Lazy Ace Land farm Pit	148 S1+	81	
LCS 880-102164/1-A	Lab Control Sample	132 S1+	83	
LCSD 880-102164/2-A	Lab Control Sample Dup	129	83	
MB 880-102164/5-A	Method Blank	127	76	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-54131-A-1-E MS	Matrix Spike	67 S1-	68 S1-	
880-54131-A-1-F MSD	Matrix Spike Duplicate	69 S1-	67 S1-	
880-54143-1	Lazy Ace Land farm Pit	70	60 S1-	
LCS 880-102119/2-A	Lab Control Sample	74	77	
LCSD 880-102119/3-A	Lab Control Sample Dup	74	76	
MB 880-102119/1-A	Method Blank	99	92	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Job ID: 880-54143-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102164/5-A

Matrix: Solid

Analysis Batch: 102138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102164

	III D	141.0							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/25 09:41	02/06/25 11:41	1
	***	***							

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/06/25 09:41	02/06/25 11:41	1
1,4-Difluorobenzene (Surr)	76		70 - 130	02/06/25 09:41	02/06/25 11:41	1

Lab Sample ID: LCS 880-102164/1-A

Matrix: Solid

Analysis Batch: 102138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102164

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1192	-	mg/Kg		119	70 - 130	
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2260		mg/Kg		113	70 - 130	
o-Xylene	0.100	0.1126		mg/Kg		113	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-102164/2-A

Matrix: Solid

Analysis Batch: 102138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102164

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	4	35
Toluene	0.100	0.1060		mg/Kg		106	70 - 130	2	35
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130	1	35
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1.4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-54102-A-1-D MS

Matrix: Solid

Analysis Batch: 102138

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102164

MS MS Sample Sample Spike %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits <0.00200 U 0.0998 99 70 - 130 Benzene 0.09874 mg/Kg Toluene <0.00200 U 0.0998 0.09860 mg/Kg 99 70 - 130

Lab Sample ID: 880-54102-A-1-E MSD

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1

SDG: Lea County, New Mexico

Prep Type: Total/NA

Prep Batch: 102164

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

Lab Sample ID: 880-54102-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Matrix: Solid

Analysis Batch: 102138

Analysis Batch: 102138

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00200	U	0.0998	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2121		mg/Kg		106	70 - 130
o-Xylene	< 0.00200	U	0.0998	0.1070		mg/Kg		107	70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102164 %Rec

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier %Rec RPD Limit Analyte Unit Limits 0.0996 Benzene <0.00200 U 0.1171 mg/Kg 118 70 - 130 17 35 0.1012 Toluene <0.00200 U 0.0996 mg/Kg 102 70 - 130 3 35 Ethylbenzene <0.00200 U 0.0996 0.1052 mg/Kg 106 70 - 130 3 35 0.199 70 - 130 35 m-Xylene & p-Xylene <0.00401 U 0.2207 mg/Kg 111 0.0996 <0.00200 U 0.1104 70 - 130 o-Xylene mg/Kg 111 3

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

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

Lab Sample ID: MB 880-102119/1-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 102154

	Prep Type: Total/NA
	Prep Batch: 102119
MB MB	

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/05/25 20:21	02/06/25 05:08	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/05/25 20:21	02/06/25 05:08	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/25 20:21	02/06/25 05:08	1
١										

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	02/05/25 20:2	02/06/25 05:08	1
o-Terphenyl	92		70 - 130	02/05/25 20:2 ⁻	02/06/25 05:08	1

Lab Sample ID: LCS 880-102119/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid Analysis Batch: 102154

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	898.4		mg/Kg		90	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	908.2		ma/Ka		91	70 130	

Prep Batch: 102119

C10-C28)

QC Sample Results

Client: Carmona Resources

Job ID: 880-54143-1 Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

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

LCS LCS

Lab Sample ID: LCS 880-102119/2-A

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102119

%Recovery Qualifier Surrogate 1-Chlorooctane 74 70 - 130 o-Terphenyl 77 70 - 130

Lab Sample ID: LCSD 880-102119/3-A Client Sample ID: Lab Control Sample Dup

Limits

Matrix: Solid

Analysis Batch: 102154

Prep Type: Total/NA

Prep Batch: 102119 %Rec RPD

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 70 - 130 1000 752.0 75 18 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 764.9 mg/Kg 76 70 - 13017 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-54131-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 102154

Prep Type: Total/NA

Prep Batch: 102119

	Sample	Sample	Бріке	IVIS	IVIS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<50.0	U F1	999	668.6	F1	mg/Kg		67	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U F1	999	659.9	F1	mg/Kg		66	70 - 130
C10-C28)									

C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 67 S1-70 - 130 1-Chlorooctane 68 S1-70 - 130 o-Terphenyl

Lab Sample ID: 880-54131-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 102154

Prep Type: Total/NA

Prep Batch: 102119

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<50.0	U F1	999	693.7	F1	mg/Kg		69	70 - 130	4	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U F1	999	648.8	F1	mg/Kg		65	70 - 130	2	20	
C10 C28)												

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	67	S1-	70 - 130

QC Sample Results

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24) SDG: Lea County, New Mexico

Job ID: 880-54143-1

Client Sample ID: Method Blank

Client Sample ID: Lazy Ace Land farm Pit

Client Sample ID: Lazy Ace Land farm Pit

Prep Type: Soluble

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102227/1-A

Matrix: Solid

Analysis Batch: 102265

Prep Type: Soluble

мв мв

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 02/07/25 09:18

Lab Sample ID: LCS 880-102227/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 102265

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 257.1 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-102227/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 102265

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits RPD Limit Chloride 250 257.6 103 mg/Kg 90 - 110

Lab Sample ID: 880-54143-1 MS

Matrix: Solid

Analysis Batch: 102265

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 27.6 249 294.5 107 90 - 110 mg/Kg

Lab Sample ID: 880-54143-1 MSD

Matrix: Solid

Analysis Batch: 102265

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 27.6 294.7 mg/Kg 107 90 - 110 20

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	8021B	102164
MB 880-102164/5-A	Method Blank	Total/NA	Solid	8021B	102164
LCS 880-102164/1-A	Lab Control Sample	Total/NA	Solid	8021B	102164
LCSD 880-102164/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102164
880-54102-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	102164
880-54102-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	102164

Prep Batch: 102164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	5035	
MB 880-102164/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102164/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102164/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54102-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-54102-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 102286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	8015NM Prep	
MB 880-102119/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102119/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54131-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54131-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	8015B NM	102119
MB 880-102119/1-A	Method Blank	Total/NA	Solid	8015B NM	102119
LCS 880-102119/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102119
LCSD 880-102119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102119
880-54131-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	102119
880-54131-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102119

Analysis Batch: 102281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Soluble	Solid	DI Leach	
MB 880-102227/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102227/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102227/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

Page 12 of 19

QC Association Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 102227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1 MS	Lazy Ace Land farm Pit	Soluble	Solid	DI Leach	
880-54143-1 MSD	Lazy Ace Land farm Pit	Soluble	Solid	DI Leach	

Analysis Batch: 102265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54143-1	Lazy Ace Land farm Pit	Soluble	Solid	300.0	102227
MB 880-102227/1-A	Method Blank	Soluble	Solid	300.0	102227
LCS 880-102227/2-A	Lab Control Sample	Soluble	Solid	300.0	102227
LCSD 880-102227/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102227
880-54143-1 MS	Lazy Ace Land farm Pit	Soluble	Solid	300.0	102227
880-54143-1 MSD	Lazy Ace Land farm Pit	Soluble	Solid	300.0	102227

Lab Chronicle

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

SDG: Lea County, New Mexico

Lab Sample ID: 880-54143-1 Client Sample ID: Lazy Ace Land farm Pit

Date Collected: 02/05/25 00:00 Date Received: 02/06/25 10:30

Matrix: Solid

Job ID: 880-54143-1

	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	102164	02/06/25 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102138	02/06/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102286	02/06/25 13:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102281	02/06/25 13:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102119	02/06/25 11:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102154	02/06/25 13:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102227	02/07/25 07:50	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102265	02/07/25 11:02	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1 SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date 06-30-25	
Texas	NELA	Р	T104704400		
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

3

4

5

7

10

12

13

14

Method Summary

Client: Carmona Resources

Method

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

Project/Site: Paloma 21 Federal Battery (12.11.24)

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 880-54143-1 SDG: Lea County, New Mexico

EET MID

EET MID

EET MID

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID

SW846

SW846

ASTM

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

Released to Imaging: 4/2/2025 4:25:06 PM

Sample Summary

Client: Carmona Resources

Project/Site: Paloma 21 Federal Battery (12.11.24)

Job ID: 880-54143-1

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54143-1	Lazy Ace Land farm Pit	Solid	02/05/25 00:00	02/06/25 10:30

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

					0	Chain of Custody	of C	Sus	tod	<							8 =====	0-541	43.0	hain	880-54143 Chain of Custody
roject Manager: C	Conner Moehring	Q			Bill to: (if different)		Grant	Huckal	Grant Huckabay & Addison Guekler	ddison	Guekl	역						8	ork C)rder	Work Order Comments
	Carmona Resources	ırces			Company Name:	y:	Faske	n Oil aı	Fasken Oil and Ranch	요					Progra	ım: U	ST/PS		Ř	Broy	Program: UST/PST ☐PRP ☐Brownfields ☐RRC ☐uperfund ☐
	310 W Wall St Ste 500	ite 500			Address:		6101	Holiday	6101 Holiday Hill Road	ad				_	State	State of Project:	ect:				
e ZIP:	Midland, TX 79701	01			City, State ZIP:		Midlar	nd, Tex	Midland, Texas 79707)7				_	Report	ing:Le	vel =	le Le	<u>@</u>	Ds.	Reporting:Level II Level III PST/UST RRP Level IV
	432-813-6823			Email:	Email: Granth@forl.com & addisong@forl.com	om & add	isong(c	ग्रेforl.c)M					_	Delive	Deliverables: EDD	E			ADal	ADaPT Other:
roject Name:	Paloma 21 F	Paloma 21 Federal Battery (12.11.24)	(12.11.24)	Turn	Turn Around						A	NALYSIS REQUEST	SIS F	EQU	EST						Preservative Codes
roject Number:		2608		Routine	Rush Rush	Code													Г		None: NO DI Water: H ₂ O
Project Location	Lea C	Lea County, New Mexico	exico	Due Date:	72 HR			0)													Ā
Sampler's Name:		CRM				'S		+ MR													H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT		Լe καρ Blank:	Yes No	Wet loe:	Yes No	nete	1B	DRC	0.00												H ₃ PO ₄ : HP
Received Intact:	Yes	No	Thermometer ID:		127	aran	802	₹0 +	de 30												NaHSO4: NABIS
Cooler Custody Seals:	Yes No	No NIA	Correction Factor.	ñ		P	TEX	(GF	lori												Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	NA	Temperature Reading:	ading:	1.	0	В	15M	CI												Zn Acetate+NaOH: Zn
Total Containers:		(Corrected Temperature:	erature:	,			H 801													NaOH+Ascorbic Acid: SAPC
Sample Identification	ication	Date	Time	Soil	Water Comp	p Cont		TPI													Sample Comments
Lazy Ace Land Farm Pit	Farm Pit	2/5/2025		×	C	_	×	×	×												
		Lor																			
														L						T	
						_						_	_								

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54143-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 54143 List Number: 1

Creator: Vasquez, Julisa

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

-

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 441243

QUESTIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	441243
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434753966
Incident Name	NAPP2434753966 PALOMA 21 FEDERAL BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2212445893] Paloma Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PALOMA 21 FEDERAL BATTERY
Date Release Discovered	12/11/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

ature and Volume of Release aterial(s) released, please answer all that apply below. Any calculations or specific justifications	for the volumes provided should be attached to the follow-up C-141 submission
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 75 BBL Recovered: 30 BBL Lost: 45 BBL.
ls the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	bad mechanical seal on water transfer pump

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QUESTIONS, Page 2

Action 441243

QUESTIONS (continued)
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Operator.	OGNID.
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd Midland, TX 79707	Action Number: 441243
Wildiana, 177707	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
<u>_</u>	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com

Date: 12/13/2024

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QUESTIONS, Page 3

Action 441243

QUESTIONS (continued)

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	441243
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamina	tion associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in	milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	9080
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1460
GRO+DRO (EPA SW-846 Method 8015M)	1180
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complewhich includes the anticipated timelines for beginning and completing the remediation.	eted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date will the remediation commence	02/03/2025
On what date will (or did) the final sampling or liner inspection occur	02/03/2025
On what date will (or was) the remediation complete(d)	02/05/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	225
What is the estimated volume (in cubic yards) that will be remediated	25
	t the time of submission and may (be) change(d) over time as more remediation efforts are completed.

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 441243

QUESTIONS (continued)

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	441243
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 441243

QUESTIONS (continued)

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	441243
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 441243

QUESTIONS	(continued)
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Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	441243
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 427048	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2025
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	422

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	225	
What was the total volume (cubic yards) remediated	25	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	not any	

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

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

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 03/11/2025	
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Action 441243

QUESTIONS (continued)

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission No	

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CONDITIONS

Action 441243

CONDITIONS

Operator:	OGRID:
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6101 Holiday Hill Rd	Action Number:
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CONDITIONS

Created By		Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	4/2/2025