

SITE INFORMATION

Closure Report
Acadia Federal Com 1H (08.08.24)
Eddy County, New Mexico
Incident ID: nAPP2422863783
Unit A Sec 11 T26S R25E
32.063468°, -104.361920°

Crude Oil/Produced Water Release Point of Release: Flare Fire Release Date: 08.08.24

Volume Released: 0.97 Barrels of Crude Oil/Produced Water Mix Volume Recovered: 0 Barrels of Crude Oil/Produced Water Mix

CARMONA RESOURCES



Prepared for: Concho Operating, LLC 15 West London Road, Loving, New Mexico 88256

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

APPENDIX A

FIGURES

FIGURE 1 OVERVIEW	FIGURE 2	TOPOGRAPHIC
-------------------	----------	-------------

FIGURE 3 SAMPLE LOCATION FIGURE 4 EXCAVATION

APPENDICES

THE LEVEL TO	TIBLES
APPENDIX B	PHOTOS
APPENDIX C	N.O.R. AND FINAL C-141/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

TABLES



November 12, 2024

Mike Bratcher District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

Re: Closure Report

Acadia Federal Com 1H (08.08.24) Concho Operating, LLC Incident ID: nAPP2422863783 Site Location: Unit A, S11, T26S, R25E

(Lat 32.063468°, Long -104.361920°)

Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Acadia Federal Com 1H (08.08.24). The site is located at 32.063468°, -104.361920° within Unit A, S11, T26S, R25E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 8, 2024, due to a flare fire. This released zero point nine seven (0.97) barrels of crude oil/produced water mix, and zero (0) barrels of crude oil/produced water mix were recovered. Refer to Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location exists. The nearest identified well is located approximately 0.55 miles Southwest of the site in S3, T26S, R25E and was drilled in 2007. The well has a reported depth to groundwater of 23' below ground surface (ft bgs). A copy of the associated Summary report 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 was utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



4.0 Site Assessment Activities

Initial Assessment

On August 20, 2024, Carmona Resources, LLC performed an initial assessment to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 24" bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. 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. See Table 1 for analytical results.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD web portal on September 10, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The excavation was extended to remove the horizontal samples that showed impact and new horizontals samples were collected to ensure the removal of all impacted material. A total of four (4) confirmation floor samples were collected (CS-1 through CS-4), twelve (12) sidewall samples (SW-1 through SW-12), and three (3) horizontal samples were collected every 200 square feet to ensure the proper removal of the contaminated material. 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 Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. The analytical results are in Table 2.

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The backfill sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 40 cubic yards of material were 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 call us at 432-813-1992.

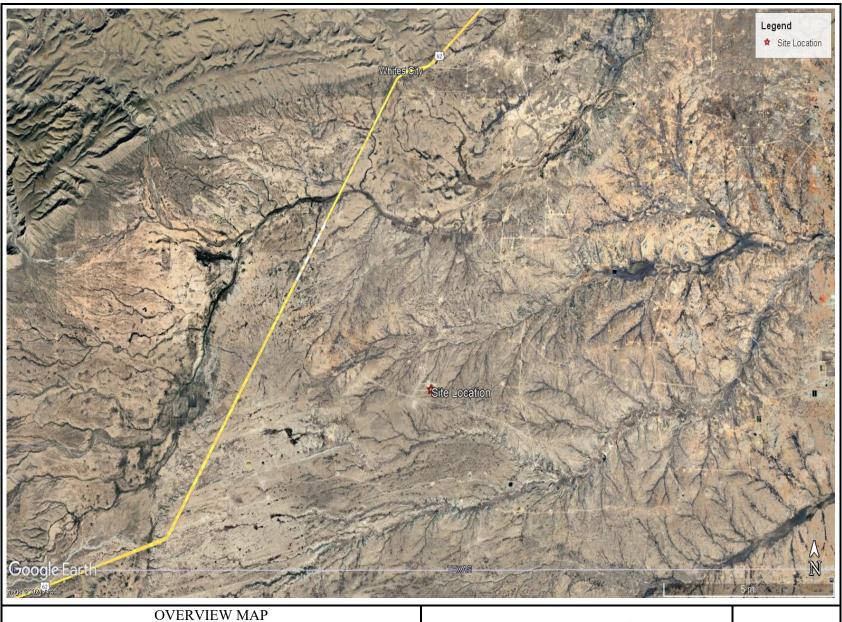
Sincerely,

Carmona Resources, LLC

Conner Moehring Environmental Manager Devin Dominguez Sr. Project Manager

FIGURES

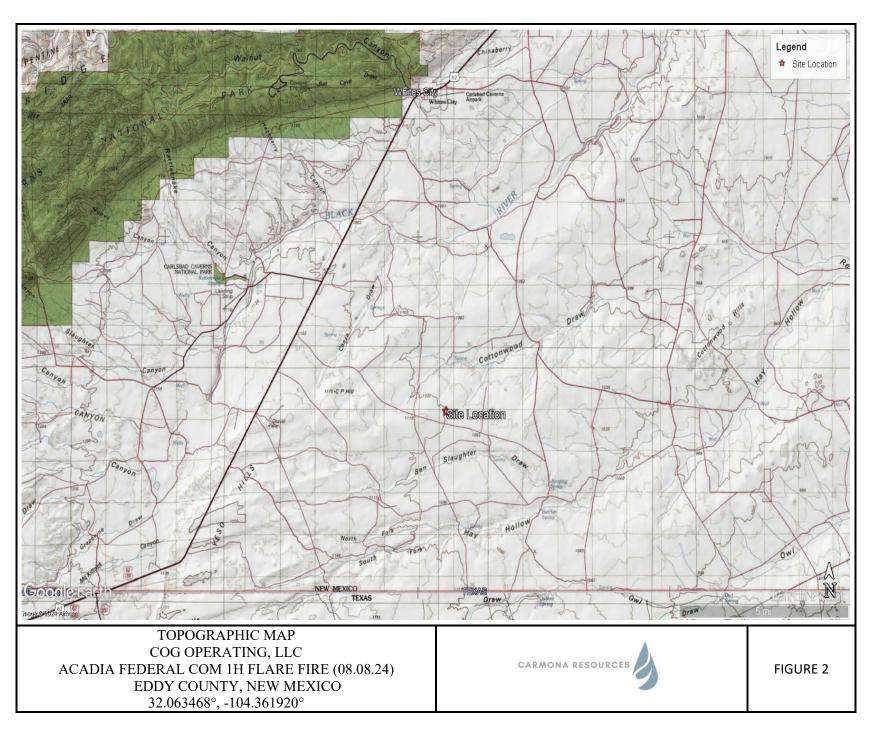
CARMONA RESOURCES

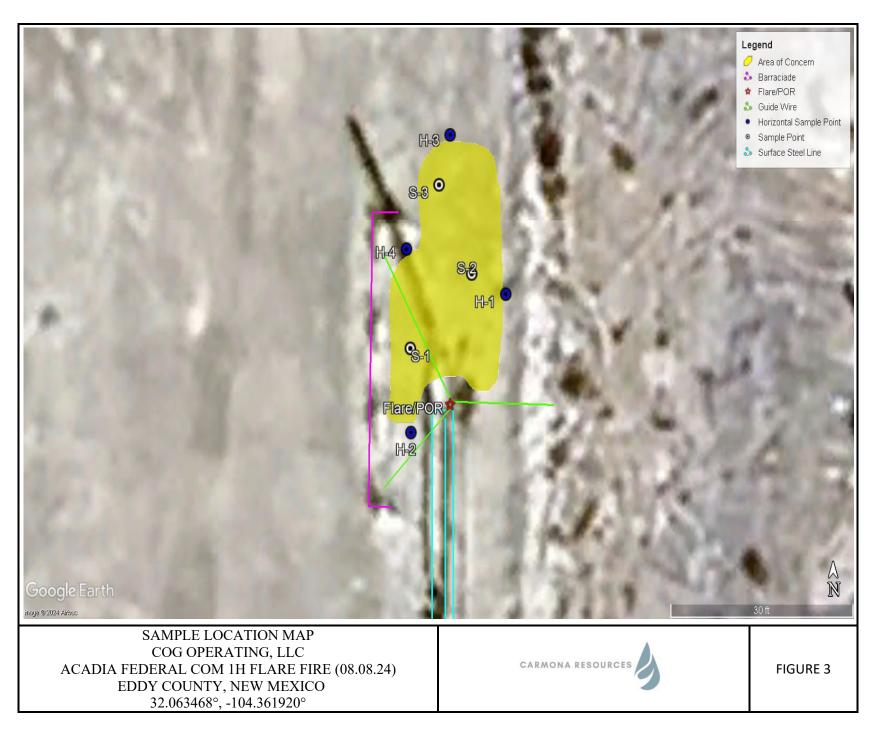


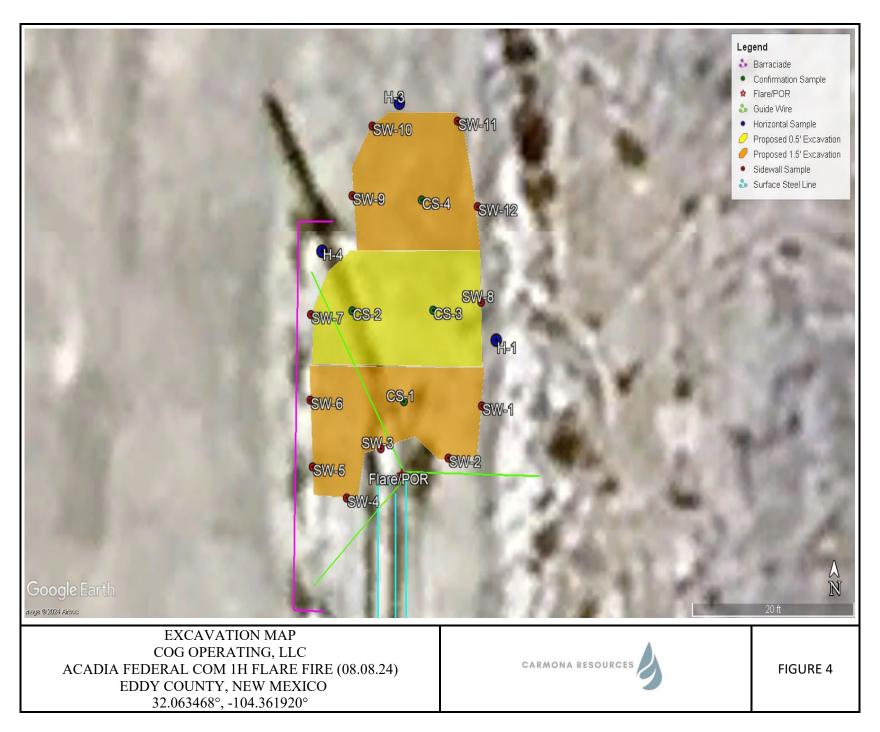
COG OPERATING, LLC
ACADIA FEDERAL COM 1H FLARE FIRE (08.08.24)
EDDY COUNTY, NEW MEXICO
32.063468°, -104.361920°



FIGURE 1







APPENDIX A



Table 1
COG Operating, LLC
Acadia Federal Com 1H (08.08.2024)
Eddy County, New Mexico

		5 4 6 5		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (In)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	8/20/2024	3.0"	<49.7	127	<49.7	127	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.8
S-1	"	6.0"	<50.0	211	<50.0	211	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.4
	"	12.0"	<49.8	137	<49.8	137	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.8
	8/20/2024	3.0"	<49.8	144	<49.8	144	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.2
	п	6.0"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.5
S-2	н	12.0"	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.6
	"	18.0"	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.7
	п	24.0"	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.50
2.2	8/20/2024	3.0"	106	1,860	<49.7	1,970	<0.00200	0.0167	0.00455	0.265	0.286	50.2
S-3	п	6.0"	<49.8	838	<49.8	838	<0.00199	0.0336	<0.00199	0.112	0.145	20.6
H-1	8/20/2024	0-0.5"	<49.8	1,450	<49.8	1,450	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	290
П-1	9/12/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6.30
H-2	8/20/2024	0-0.5"	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.98
	8/20/2024	0-0.5"	<49.6	195	<49.6	195	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
H-3	9/12/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
H-4	8/20/2024	0-0.5"	<49.8	307	<49.8	307	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	321
r1-4	9/12/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5.23
Regulator	y Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (S) Sample Point (H) Horizontal Sample Point

Removed

Table 2
COG Operating, LLC
Acadia Federal Com 1H (08.08.2024)
Eddy County, New Mexico

0 1 15	5.	D (1 (6)		TPH	l (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	9/12/2024	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.02
CS-2	9/12/2024	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.97
CS-3	9/12/2024	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.96
CS-4	9/12/2024	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.05
SW-1	9/12/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
SW-2	9/12/2024	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.96
SW-3	9/12/2024	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.04
SW-4	9/12/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.97
SW-5	9/12/2024	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
SW-6	9/12/2024	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
SW-7	9/12/2024	0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.02
SW-8	9/12/2024	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.05
SW-9	9/12/2024	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.02
SW-10	9/12/2024	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03
SW-11	9/12/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<5.05
SW-12	9/12/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
Black River Service Pit	9/12/2024	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	292
Regulatory						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(SW) Sidewall Sample
(CS) Confirmation Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

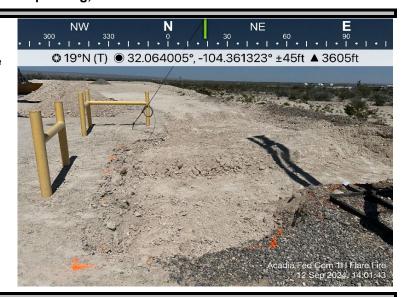
Facility: Acadia Federal Com 1H Flare Fire

(08.08.24)

County: Eddy County, New Mexico

Description:

View North, area of SW-3 through SW-6.



Photograph No. 2

Facility: Acadia Federal Com 1H Flare Fire

(08.08.24)

County: Eddy County, New Mexico

Description:

View North, area of CS-1, SW-1 and SW-2.



Photograph No. 3

Facility: Acadia Federal Com 1H Flare Fire

(08.08.24)

County: Eddy County, New Mexico

Description:

View South, area of CS-2 through CS-4 and SW-7 through SW-12.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Acadia Federal Com 1H Flare Fire

(08.08.24)

County: Eddy County, New Mexico

Description:

View North of the backfilled excavation.



Photograph No. 5

Facility: Acadia Federal Com 1H Flare Fire

(08.08.24)

County: Eddy County, New Mexico

Description:

View Northeast of the backfilled excavation.



APPENDIX C

CARMONA RESOURCES

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

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

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

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

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

QUESTIONS

Action 374508

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	374508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source				
Please answer all the questions in this group.				
Site Name	Acadia Federal Com 1H			
Date Release Discovered	08/08/2024			
Surface Owner	Federal			

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	
faterial(s) released, please answer all that apply below. Any calculations or specific justifications t	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Fire Producing Well Crude Oil Released: 1 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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

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

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

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

QUESTIONS, Page 2

Action 374508

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	374508
F	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; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.			
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.				

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

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

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

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

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

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

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

ACKNOWLEDGMENTS

Action 374508

ACKNOWLEDGMENTS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	374508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.	
V	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.	
V	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.	
V	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.	
V	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.	

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

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

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

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

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

CONDITIONS

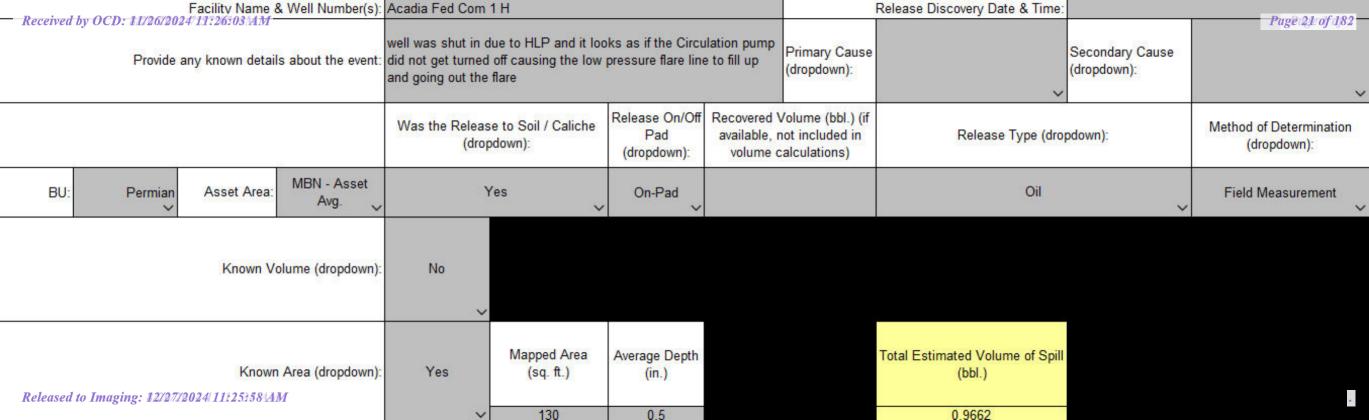
Action 374508

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	374508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created	Condition	Condition
Ву		Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/15/2024



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

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

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

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

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

QUESTIONS

Action 375422

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	375422
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422863783
Incident Name	NAPP2422863783 ACADIA FEDERAL COM 1H @ 30-015-45771
Incident Type	Fire
Incident Status	Initial C-141 Received
Incident Well	[30-015-45771] ACADIA FEDERAL COM #001H

Location of Release Source		
Please answer all the questions in this group.		
Site Name	Acadia Federal Com 1H	
Date Release Discovered	08/08/2024	
Surface Owner	Federal	

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Fire Producing Well Crude Oil Released: 1 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 1 BBL.	
Produced Water Released (bbls) Details	Not answered.	
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)	Not answered.	

District I

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 375422

QUESTIONS (continued)		
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	
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; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.	
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		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

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

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

Name: Brittany Esparza
Title: Environmental Technician
Email: brittany.Esparza@ConocoPhillips.com

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

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

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

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

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

QUESTIONS, Page 3

Action 375422

QUESTIONS	(continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	375422
	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 release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.	
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 ar	nd 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 for domestic or stock watering purposes	Not answered.	
Any other fresh water well or spring	Not answered.	
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.	
A wetland	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	Not answered.	
A 100-year floodplain	Not answered.	
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.	

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to to	he 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 ac significantly deviate from the remediation plan proposed, then it should consult with the division to	cordance with the physical realities encountered during remediation. If the responsible party has any need to determine if another remediation plan submission is required.

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

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

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

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

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

CONDITIONS

Action 375422

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	375422
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By		Condition Date
rhamlet	None	8/20/2024

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

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

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

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

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

QUESTIONS

Action 382326

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	382326
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites							
Incident ID (n#)	nAPP2422863783						
Incident Name	NAPP2422863783 ACADIA FEDERAL COM 1H @ 30-015-45771						
Incident Type	Fire						
Incident Status	Initial C-141 Approved						
Incident Well	[30-015-45771] ACADIA FEDERAL COM #001H						

Location of Release Source							
Site Name	Acadia Federal Com 1H						
Date Release Discovered	08/08/2024						
Surface Owner	Federal						

Sampling Event General Information								
Please answer all the questions in this group.								
What is the sampling surface area in square feet	650							
What is the estimated number of samples that will be gathered	21							
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024							
Time sampling will commence	04:30 PM							
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823							
Please provide any information necessary for navigation to sampling site	Coordinates on C-141							

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

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

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

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

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

CONDITIONS

Action 382326

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	382326
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
jacquih	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.	9/10/2024

APPENDIX D

CARMONA RESOURCES







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW####
in the POD
suffix indicates
the POD has
been replaced
& no longer
serves a water
right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth	Depth Water	
<u>C 03321</u>		С	ED	SE	NW	NW	11	26S	25E	559375.2	3547431.9	•	882	150	23	127
<u>C 02366</u>		CUB	ED		SE	SE	12	26S	25E	562027.0	3546345.0 *	•	2222	80	150	-70
<u>C 02152</u>		С	ED		SW	SE	33	25S	25E	556763.0	3549567.0 *	•	3960	200		

Average Depth to Water: 86 feet

Minimum Depth: 23 feet

Maximum Depth: 150 feet

Record Count: 3

<u>UTM Filters (in meters):</u>

Easting: 560230.00 **Northing:** 3547652.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



STATE ENGINEER OFFICE WELL RECORD



Section 1. GENERAL INFORMATION

(A) Owner of	of well <u>Gar</u> or Post Office A	y Lovel:	ady 550 Bebac	⊇k Inn R		Ov	vner's Well No	
Well was drille	ed under Permi	t No	3321	-	and is locat	ed in the: N32	?Deg04.680'	
, SE	· WW	4 NW4	% of Se	ection 3	Townshin	246 W10)4Deg22.498 Range 25 E	' N.
	Nolivision, record					······································		
d. X= _ the _		feet, Y=		feet, l	N.M. Coordinat	e System		Z
(B) Drilling	Contractor	Taylor	Water We	<u>ll Serv</u>	ice	License No.	WD-1348	
Address 7	317 Etch	everry F	Rd., Carl	sbad. Ni	M 88220		****	
							Size of hol	7 7
Elevation of la	and surface or .			at w	ell is 3480	L ft. Total dep	th of well 150	
•								
Completed we	illis 🔀 :	shallow 🗀	artesian.		Depth to wat	er upon completi	on of well 23	
		···		CIPAL WATE	R-BEARING S	STRATA		
Depth From	in Feet To	Thickne in Fee		Description of	Water-Bearing	Formation	Estimate (gallons pe	
60	150	110		drita	o o biri cir	70000		* ***,
- 00	130	110	Anny	drite:No	obvious	zones	1/2-3	/ 4
								·····
<u> </u>								<u></u>
		-		· · · · · · · · · · · · · · · · · · ·				-
		<u> </u>						
			Sectio	n 3. RECORI	OF CASING			
Diameter (inches)	Pounds per foot	Threads per in.		in Feet	Length (feet)	Type of S	hoe ———	forations
	ļ		Top	Bottom			From	T
5	Sch 40	PVC	+1.5	150	151.5	Cap	110	15
			·					
·	.	d	ti- A DECO	DD OF MUDI	INC AND CE	· · · · · · · · · · · · · · · · · · ·	<u></u>	
Depth	in Feet	Hole	Sack		UNG AND CEI		1 - 1 - 0 D*	
From	То	Diameter			f Cement	Met	hod of Placement	
	addition of the second							
Barry Sales	<							
							· · · · · · · · · · · · · · · · · · ·	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Congress of the Congress of th					<u> </u>		
tal 2			Section	n 5. PLUGGII	IG RECORD			
Plugging 9	actor				. J KLOOKD		,	
Address					No.	Depth i	n Feet (Cubic Fee
Plugging Metho	od					Top	Bottom	of Cemer
Date Wall Dive			- -		1 2			_
	•			ntative	3			
		State D.	Inineer Perre	A CLEAR LANG	1 4	ī	l l	
		State En	igineer Represe					
Date Well Plug Plugging appro Date Received	4.30.0		FOR USE	OF STATE E	NGINEER ONI			т
Plugging appro	4.30.0°	7	FOR USE	OF STATE E	NGINEER ONI		FS 63.2 <i>5E</i> .3.	L

gh

Depth i	26/2024 11:20 n Feet		Section 6. LOG OF HOLE	Page 33 o
From	То	Thickness in Feet	Color and Type of Material Encountered	
0	8	8	Soil	
8 .	70	62	Anhy:frstd,wht,lt gry,fn xln-dns,chlky i	n prt,sme
			yel clay	
79	72	2	Clay:blu gry,smth	
72	94	22	Anhydrite:frstd,gry,wht,vfn-xln-dns	
94	150	56	Anhydrite:frstd,gry,wht,vfn-fn xln,sme d	ns,sme rou
				·
				· · · · · · · · · · · · · · · · · · ·
				-
	<u> </u>			
			· · · · · · · · · · · · · · · · · · ·	

Section 7. REMARKS AND ADDITIONAL INFORMATION

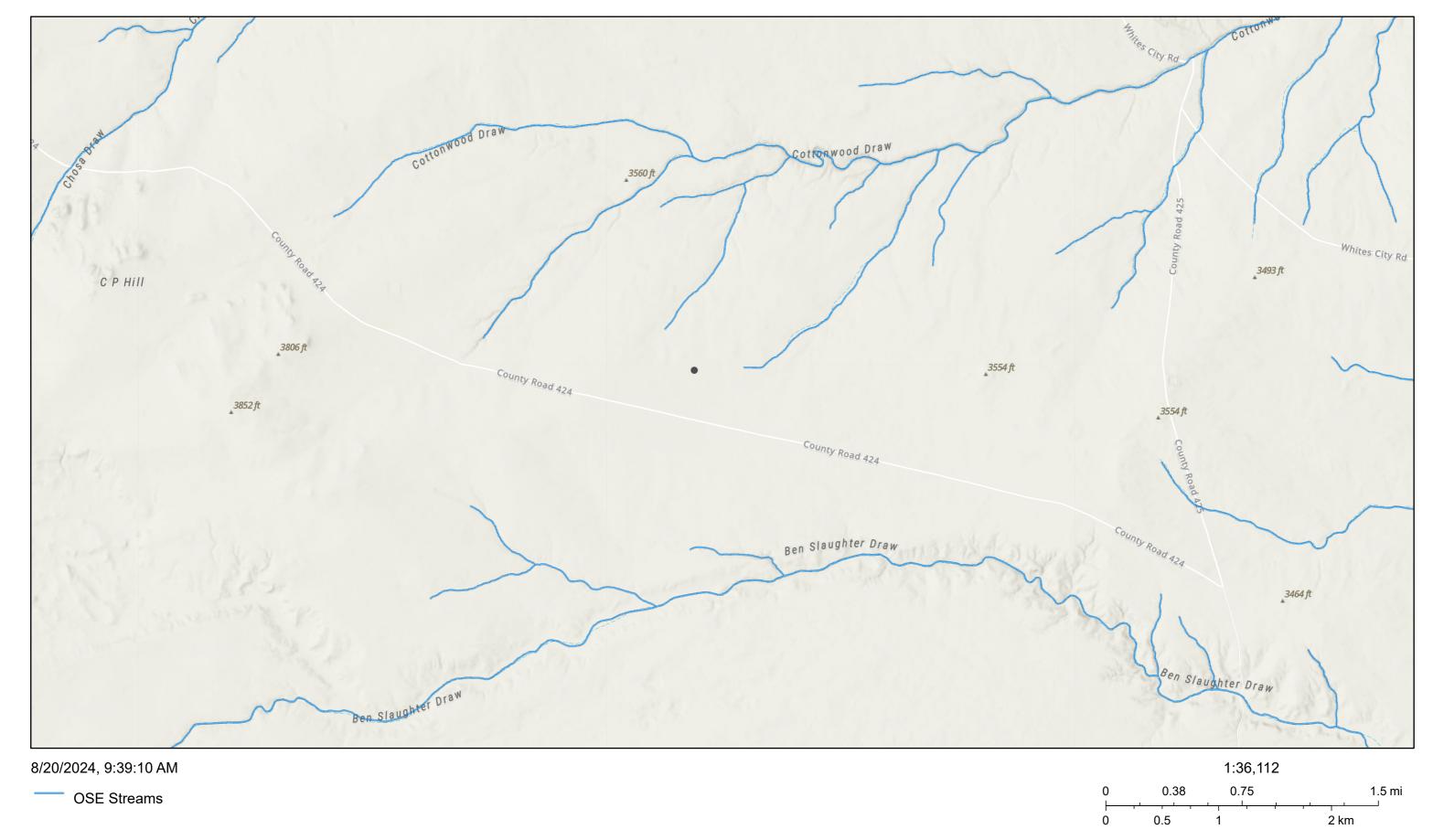
Small amount of water is present. Bailed to test. Ran casing to 150' with packer at 20'. Grouted with bentonite chips from 20' to surface.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

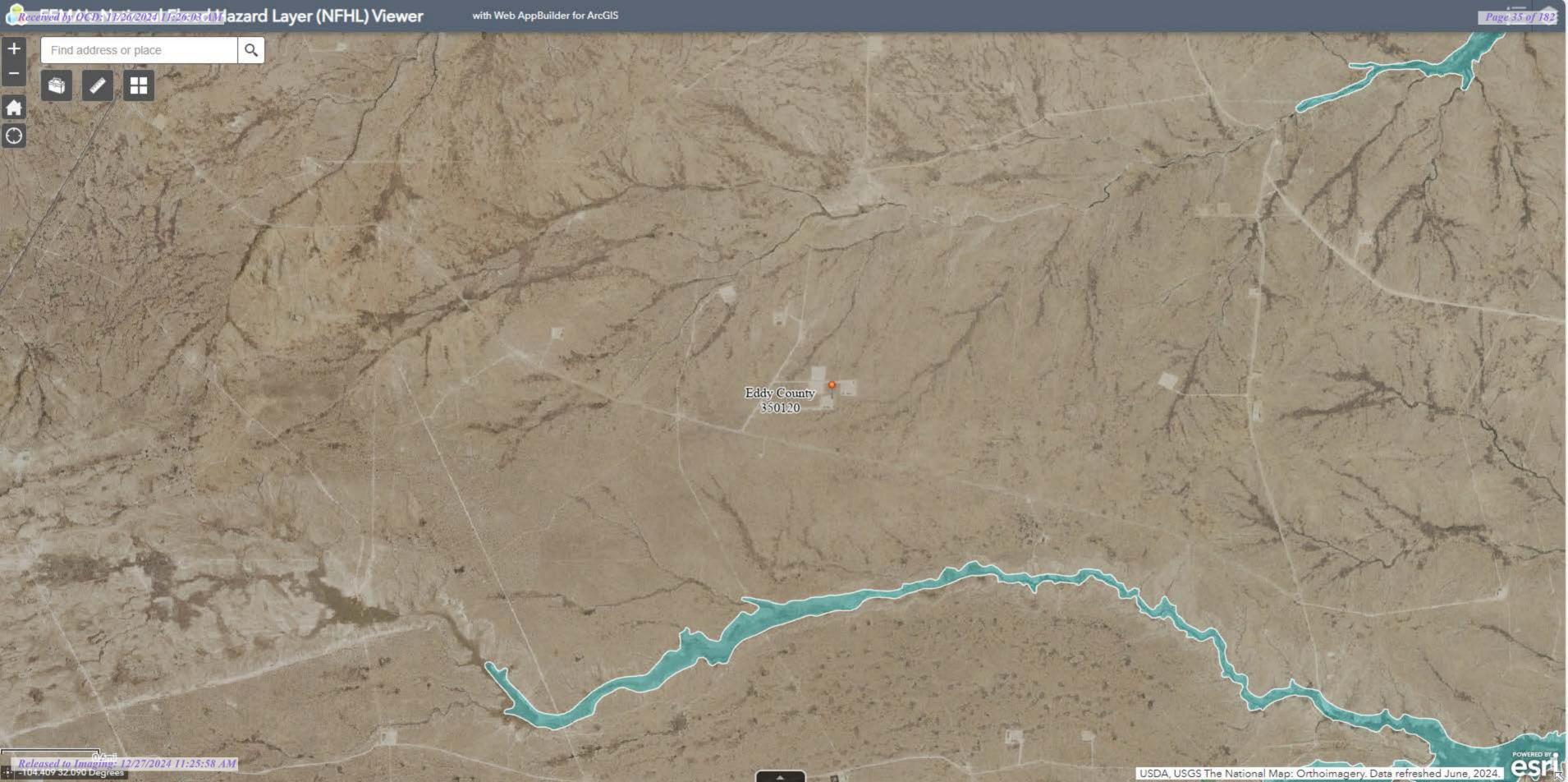
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, ept Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When the s used as a plugging record, only Section Section 5 need be completed.

Acadia Federal Com #001H (08.08.2024)



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE



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 8/26/2024 12:29:31 PM

JOB DESCRIPTION

Acadia Fed Com 1H (8.20.2024) Eddy Co, NM

JOB NUMBER

880-47519-1

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 8/26/2024 12:29:31 PM

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

3

_

6

7

_

10

13

14

Client: Carmona Resources Project/Site: Acadia Fed Com 1H (8.20.2024) Laboratory Job ID: 880-47519-1 SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	22
Lab Chronicle	26
Certification Summary	30
Method Summary	31
Sample Summary	32
Chain of Custody	33
Receint Checklists	34

2

3

4

6

8

10

11

13

14

Definitions/Glossary

Client: Carmona Resources Job ID: 880-47519-1 Project/Site: Acadia Fed Com 1H (8.20.2024)

SDG: Eddy Co, NM

Qualifiers

GC	VOA
Qua	lifier

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

HPLC/IC

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

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

MQL NC

MDC

MDL

MPN

ML

Not Calculated

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

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Method Quantitation Limit

Minimum Detectable Concentration (Radiochemistry)

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

PRES Presumptive **Quality Control** QC

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)

Too Numerous To Count TNTC

Job ID: 880-47519-1

Case Narrative

Client: Carmona Resources

Project: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1 Eurofins Midland

Job Narrative 880-47519-1

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 8/21/2024 1:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89084 and analytical batch 880-89018 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-47519-1), S-1 (6") (880-47519-2), S-1 (12") (880-47519-3), S-2 (0-3") (880-47519-4), S-2 (6") (880-47519-5), S-2 (12") (880-47519-6), S-2 (18") (880-47519-7), S-2 (24") (880-47519-8), S-3 (0-3") (880-47519-9), S-3 (6") (880-47519-10), (880-47517-A-1-C) and (880-47517-A-1-B 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: The method blank for preparation batch 880-89106 and analytical batch 880-89140 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction /re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89106/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 (0-3") (880-47519-1), S-1 (6") (880-47519-2), S-1 (12") (880-47519-3), S-2 (0-3") (880-47519-4), (880-47494-A-14-C), (880-47494-A-14-D MS) and (880-47494-A-14-E MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-89106 and analytical batch 880-89140 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89140 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-89140/21).

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-2 (6") (880-47519-5), S-2 (12") (880-47519-6), S-2 (18") (880-47519-7), S-2 (24") (880-47519-8), S-3 (0-3") (880-47519-9), S-3 (6") (880-47519-10), (880-47519-A-5-D MS) and (880-47519-A-5-E MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89258 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-89258/21).

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

Eurofins Midland

-

3

4

5

7

8

10

12

13

14

Case Narrative

Client: Carmona Resources

Project: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

Job ID: 880-47519-1 (Continued) Eurofins Midland

HPLC/IC

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

3

4

5

_

8

9

11

12

10

12

Client: Carmona Resources

Date Received: 08/21/24 13:16

Job ID: 880-47519-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

Lab Sample ID: 880-47519-1

Client Sample ID: S-1 (0-3") Date Collected: 08/20/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/21/24 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				08/21/24 14:16	08/21/24 21:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/21/24 14:16	08/21/24 21:46	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			08/21/24 21:46	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	127		49.7		mg/Kg			08/22/24 18:08	1
- Method: SW846 8015B NM - Die	sel 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		08/21/24 16:18	08/22/24 18:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	127		49.7		mg/Kg		08/21/24 16:18	08/22/24 18:08	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/21/24 16:18	08/22/24 18:08	1
,									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	185	S1+	70 - 130				08/21/24 16:18	08/22/24 18:08	1
o-Terphenyl	192	S1+	70 - 130				08/21/24 16:18	08/22/24 18:08	1
- Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Michiga: El A 000.0 Alliono, loi									

Client Sample ID: S-1 (6") Lab Sample ID: 880-47519-2 Date Collected: 08/20/24 00:00 **Matrix: Solid**

19.8

5.00

mg/Kg

Date Received: 08/21/24 13:16

Chloride

Method: SW846 8021B - Volati	•	• • •)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/21/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				08/21/24 14:16	08/21/24 23:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/21/24 14:16	08/21/24 23:33	1

Eurofins Midland

08/22/24 17:00

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Client Sample ID: S-1 (6") Lab Sample ID: 880-47519-2 Date Collected: 08/20/24 00:00

19.4

Matrix: Solid

Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/21/24 23:33	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	211		50.0		mg/Kg			08/22/24 18:25	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 18:25	
(GRO)-C6-C10									
Diesel Range Organics (Over	211		50.0		mg/Kg		08/21/24 16:18	08/22/24 18:25	
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	189	S1+	70 - 130				08/21/24 16:18	08/22/24 18:25	-
o-Terphenyl	196	S1+	70 - 130				08/21/24 16:18	08/22/24 18:25	:
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte	• .	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac

5.01 Client Sample ID: S-1 (12") Lab Sample ID: 880-47519-3

mg/Kg

Date Collected: 08/20/24 00:00

Chloride

Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	•
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				08/21/24 14:16	08/22/24 00:00	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - 7			70 - 130				08/21/24 14:16	08/22/24 00:00	
Method: TAL SOP Total BTEX - 7 Analyte	Гotal BTEX Cald	Qualifier	70 - 130 RL 0.00402	MDL	Unit mg/Kg	<u>D</u>	08/21/24 14:16 Prepared	08/22/24 00:00 Analyzed 08/22/24 00:00	
Method: TAL SOP Total BTEX - TAL SOP Total BTEX - TOTAL BTEX Total BTEX Method: SW846 8015 NM - Diese	Fotal BTEX Calc Result <0.00402 Pl Range Organ	Qualifier U	RL 0.00402		mg/Kg	<u> </u>	Prepared	Analyzed 08/22/24 00:00	Dil Fac
Method: TAL SOP Total BTEX - TAL Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Fotal BTEX Calc Result <0.00402 el Range Organ Result	Qualifier U	RL 0.00402		mg/Kg	<u>D</u>		Analyzed 08/22/24 00:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - TAL Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Fotal BTEX Calc Result <0.00402 El Range Organ Result 137	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 49.8		mg/Kg	<u> </u>	Prepared	Analyzed 08/22/24 00:00	Dil Fac
Method: TAL SOP Total BTEX - Total BTEX Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	Fotal BTEX Calc Result <0.00402 el Range Organ Result 137 sel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 49.8	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 08/22/24 00:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - TAL Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Fotal BTEX Calc Result <0.00402 el Range Organ Result 137 sel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00402 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 08/22/24 00:00 Analyzed 08/22/24 18:43	Dil Fac

Eurofins Midland

08/22/24 17:08

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Lab Sample ID: 880-47519-3

Matrix: Solid

Client Sample ID: S-1 (12")

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	r	mg/Kg		08/21/24 16:18	08/22/24 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	199	S1+	70 - 130				08/21/24 16:18	08/22/24 18:43	1
o-Terphenyl	207	S1+	70 - 130				08/21/24 16:18	08/22/24 18:43	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.03		mg/Kg			08/22/24 17:15	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-47519-4

Matrix: Solid

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/22/24 00:27	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/22/24 00:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				08/21/24 14:16	08/22/24 00:27	
1,4-Difluorobenzene (Surr)	89		70 - 130				08/21/24 14:16	08/22/24 00:27	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/22/24 00:27	
Method: SW846 8015 NM - Diese Analyte			•	MDI	Unit	n	Propared	Analyzad	Dil Es
Analyte	Result	ics (DRO) (Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/22/24 19:00	
Analyte Total TPH	Result 144	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/22/24 19:00	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 144 sel Range Orga	Qualifier nics (DRO)	RL 49.8 (GC)		mg/Kg	<u> </u>		08/22/24 19:00	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result 144 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg	<u>D</u>	Prepared	08/22/24 19:00 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 144 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg	<u> </u>		08/22/24 19:00	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 144 sel Range Orga Result Result 49.8	Qualifier nics (DRO) Qualifier	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg	<u> </u>	Prepared 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 144 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg	<u> </u>	Prepared	08/22/24 19:00 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 144 sel Range Orga Result Result 49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg	<u> </u>	Prepared 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 144 sel Range Orga Result < 49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 08/21/24 16:18 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00 08/22/24 19:00	Dil Fa
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 144 sel Range Orga Result <49.8 144 <49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00 08/22/24 19:00 08/22/24 19:00	Dil Fa
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 144	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18 Prepared	08/22/24 19:00 Analyzed 08/22/24 19:00 08/22/24 19:00 08/22/24 19:00 Analyzed	Dil Fa
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 144	Qualifier nics (DRO) Qualifier U Qualifier S1+ S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18 Prepared 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00 08/22/24 19:00 08/22/24 19:00 Analyzed 08/22/24 19:00	Dil Fa
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	Qualifier nics (DRO) Qualifier U Qualifier S1+ S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18 Prepared 08/21/24 16:18	08/22/24 19:00 Analyzed 08/22/24 19:00 08/22/24 19:00 08/22/24 19:00 Analyzed 08/22/24 19:00	Dil Fa

Client: Carmona Resources

Client Sample ID: S-2 (6") Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

Lab Sample ID: 880-47519-5

08/21/24 16:22

08/23/24 13:24

Job ID: 880-47519-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/22/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				08/21/24 14:16	08/22/24 00:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/21/24 14:16	08/22/24 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 08/22/24 00:54

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 08/23/24 13:24 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 08/21/24 16:22 08/23/24 13:24 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 08/21/24 16:22 08/23/24 13:24 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/21/24 16:22 08/23/24 13:24 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 186 S1+ 70 - 130 08/21/24 16:22 08/23/24 13:24

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 13.5 5.05 08/22/24 17:30 mg/Kg

70 - 130

172 S1+

Client Sample ID: S-2 (12") Lab Sample ID: 880-47519-6

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/22/24 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				08/21/24 14:16	08/22/24 01:21	1
1.4-Difluorobenzene (Surr)	101		70 - 130				08/21/24 14:16	08/22/24 01:21	1

Eurofins Midland

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Lab Sample ID: 880-47519-6

08/22/24 17:38

Matrix: Solid

Client Sample ID: S-2 (12") Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/22/24 01:21	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/23/24 14:15	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		08/21/24 16:22	08/23/24 14:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:15	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	173	S1+	70 - 130				08/21/24 16:22	08/23/24 14:15	1
1-Chlorooctane			70 400				08/21/24 16:22	08/23/24 14:15	1
	159	S1+	70 - 130				00:2::2::0:22		
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion							00/2//2/ 10/22		

Client Sample ID: S-2 (18") Lab Sample ID: 880-47519-7 Date Collected: 08/20/24 00:00 **Matrix: Solid**

5.05

13.6

mg/Kg

Chloride

Date Received: 08/21/24 13:16

Released to Imaging: 12/27/2024 11:25:58 AM

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	,
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/22/24 01:48	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/22/24 01:48	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				08/21/24 14:16	08/22/24 01:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/21/24 14:16	08/22/24 01:48	1
Total BTEX	<0.00400							,, _	
Analyte Total BTEY		Qualifier	RL	MIDE	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	\0.00 4 00	U	0.00400		mg/Kg			08/22/24 01:48	1
: Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Die Analyte	esel Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	1
: Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		1
Method: SW846 8015 NM - Die Analyte	esel Range Organ Result Result	ics (DRO) (Gualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Die Analyte Total TPH	esel Range Organ Result 49.8 Diesel Range Organ	ics (DRO) (Gualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range Organ Result 49.8 Diesel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg		<u> </u>	Analyzed 08/23/24 14:32	Dil Fa

Eurofins Midland

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Lab Sample ID: 880-47519-7

Matrix: Solid

Client Sample ID: S-2 (18") Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				08/21/24 16:22	08/23/24 14:32	1
o-Terphenyl	158	S1+	70 - 130				08/21/24 16:22	08/23/24 14:32	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.04		mg/Kg			08/22/24 09:55	1

Client Sample ID: S-2 (24") Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab	Sample	ID:	880	-47	519-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 08/21/24 14:16 08/22/24 02:14 Toluene <0.00199 U 0.00199 08/21/24 14:16 08/22/24 02:14 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 08/21/24 14:16 08/22/24 02:14 08/21/24 14:16 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 08/22/24 02:14 o-Xylene <0.00199 U 0.00199 mg/Kg 08/21/24 14:16 08/22/24 02:14 Xylenes, Total <0.00398 U 0.00398 mg/Kg 08/21/24 14:16 08/22/24 02:14 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

4-Bromofluorobenzene (Surr)	150 S1+	70 - 130	08/21/24 14:16	08/22/24 02:14	1
1,4-Difluorobenzene (Surr)	88	70 - 130	08/21/24 14:16	08/22/24 02:14	1
Method: TAL SOP Total BTEX - Tot	al BTFX Calculation				

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/22/24 02:14	1

	Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (G	C)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.7	U	49.7		mg/Kg			08/23/24 14:50	1
Ì										

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	•
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	183	S1+	70 - 130				08/21/24 16:22	08/23/24 14:50	-
o-Terphenvl	168	S1+	70 - 130				08/21/24 16:22	08/23/24 14:50	

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.50		5.03		mg/Kg			08/22/24 10:13	1

Eurofins Midland

Client: Carmona Resources

Client Sample ID: S-3 (0-3")

Project/Site: Acadia Fed Com 1H (8.20.2024)

SDG: Eddy Co, NM

Lab Sample ID: 880-47519-9

Job ID: 880-47519-1

Matrix: Solid

· ·	, ,		
Date Collected: 08/	/20/24 00:00		
Date Received: 08/	/21/24 13:16		

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 0.00200 08/21/24 14:16 08/22/24 02:41 mg/Kg Toluene 0.0167 0.00200 mg/Kg 08/21/24 14:16 08/22/24 02:41 0.00455 0.00200 mg/Kg 08/21/24 14:16 08/22/24 02:41 Ethylbenzene 0.00401 08/21/24 14:16 08/22/24 02:41 m-Xylene & p-Xylene 0.211 mg/Kg 0.00200 08/21/24 14:16 08/22/24 02:41 o-Xylene 0.0535 mg/Kg 0.265 0.00401 mg/Kg 08/21/24 14:16 08/22/24 02:41 **Xylenes, Total** Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 157 S1+ 70 - 130 08/21/24 14:16 08/22/24 02:41 1,4-Difluorobenzene (Surr) 85 70 - 130 08/21/24 14:16 08/22/24 02:41 **Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac **Total BTEX** 0.286 0.00401 mg/Kg 08/22/24 02:41 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 08/23/24 15:07 **Total TPH** 1970 49.7 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac **Gasoline Range Organics** 49.7 08/21/24 16:22 08/23/24 15:07 106 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 49.7 08/21/24 16:22 08/23/24 15:07 1860 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.7 U 49.7 mg/Kg 08/21/24 16:22 08/23/24 15:07 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 188 S1+ 70 - 130 08/21/24 16:22 08/23/24 15:07 186 S1+ 70 - 130 08/21/24 16:22 08/23/24 15:07 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.2		5.04		mg/Kg			08/22/24 10:19	1

Client Sample ID: S-3 (6") Lab Sample ID: 880-47519-10

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
Toluene	0.0336		0.00199		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
m-Xylene & p-Xylene	0.0860		0.00398		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
o-Xylene	0.0258		0.00199		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
Xylenes, Total	0.112		0.00398		mg/Kg		08/21/24 14:16	08/22/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130				08/21/24 14:16	08/22/24 03:08	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/21/24 14:16	08/22/24 03:08	1

Eurofins Midland

Client: Carmona Resources

Client Sample ID: S-3 (6")

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Matrix: Solid

Lab Sample	D: 880	-47519-10
------------	--------	-----------

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Method:	: TAL SOP Total B1	TEX - Total BTEX Cald	culation							
Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTE	X	0.145		0.00398		mg/Kg			08/22/24 03:08	1
Danath and	. CIMO 4C 004E NIM	Discal Dance Occas	: (DDO) (00)						

Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	838		49.8		mg/Kg			08/23/24 15:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 15:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	838		49.8		mg/Kg		08/21/24 16:22	08/23/24 15:24	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	179	S1+	70 - 130	08/21/24 16:22	08/23/24 15:24	1
o-Terphenyl	173	S1+	70 - 130	08/21/24 16:22	08/23/24 15:24	1

Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.6		5.01		mg/Kg			08/22/24 10:25	1

Surrogate Summary

Client: Carmona Resources Job ID: 880-47519-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-47517-A-1-A MS	Matrix Spike	106	83	
880-47517-A-1-B MSD	Matrix Spike Duplicate	141 S1+	105	
880-47519-1	S-1 (0-3")	138 S1+	97	
880-47519-2	S-1 (6")	132 S1+	101	
880-47519-3	S-1 (12")	138 S1+	95	
880-47519-4	S-2 (0-3")	153 S1+	89	
880-47519-5	S-2 (6")	142 S1+	101	
880-47519-6	S-2 (12")	147 S1+	101	
880-47519-7	S-2 (18")	150 S1+	98	
880-47519-8	S-2 (24")	150 S1+	88	
880-47519-9	S-3 (0-3")	157 S1+	85	
880-47519-10	S-3 (6")	167 S1+	86	
LCS 880-89084/1-A	Lab Control Sample	114	78	
LCSD 880-89084/2-A	Lab Control Sample Dup	106	89	
MB 880-89084/5-A	Method Blank	81	89	
Surrogate Legend				

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	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-47494-A-14-D MS	Matrix Spike	201 S1+	187 S1+	
880-47494-A-14-E MSD	Matrix Spike Duplicate	203 S1+	194 S1+	
80-47519-1	S-1 (0-3")	185 S1+	192 S1+	
880-47519-2	S-1 (6")	189 S1+	196 S1+	
880-47519-3	S-1 (12")	199 S1+	207 S1+	
380-47519-4	S-2 (0-3")	176 S1+	182 S1+	
380-47519-5	S-2 (6")	186 S1+	172 S1+	
380-47519-5 MS	S-2 (6")	156 S1+	154 S1+	
880-47519-5 MSD	S-2 (6")	159 S1+	156 S1+	
380-47519-6	S-2 (12")	173 S1+	159 S1+	
380-47519-7	S-2 (18")	174 S1+	158 S1+	
880-47519-8	S-2 (24")	183 S1+	168 S1+	
380-47519-9	S-3 (0-3")	188 S1+	186 S1+	
880-47519-10	S-3 (6")	179 S1+	173 S1+	
.CS 880-89106/2-A	Lab Control Sample	108	131 S1+	
CS 880-89109/2-A	Lab Control Sample	126	110	
CSD 880-89106/3-A	Lab Control Sample Dup	107	129	
CSD 880-89109/3-A	Lab Control Sample Dup	107	116	
MB 880-89106/1-A	Method Blank	146 S1+	152 S1+	
	Method Blank	83	76	

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89084/5-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89084

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/21/24 17:13	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81	70 - 130	08/21/24 14:16	08/21/24 17:13	1
1,4-Difluorobenzene (Surr)	89	70 - 130	08/21/24 14:16	08/21/24 17:13	1

Lab Sample ID: LCS 880-89084/1-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89084

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1121		mg/Kg		112	70 - 130	
Toluene	0.100	0.1160		mg/Kg		116	70 - 130	
Ethylbenzene	0.100	0.1208		mg/Kg		121	70 - 130	
m-Xylene & p-Xylene	0.200	0.2469		mg/Kg		123	70 - 130	
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	78	70 - 130

Lab Sample ID: LCSD 880-89084/2-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89084

	Spike	LCSD L	LCSD				%Rec		RPD
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1249		mg/Kg		125	70 - 130	11	35
Toluene	0.100	0.1097		mg/Kg		110	70 - 130	6	35
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130	9	35
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130	9	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	89	70 - 130

Lab Sample ID: 880-47517-A-1-A MS

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Matrix Spike	•
Prep Type: Total/NA	4

Prep Batch: 89084

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 F2	0.100	0.01035	F1	mg/Kg		10	70 - 130	
Toluene	<0.00200	U F1 F2	0.100	0.009432	F1	mg/Kg		9	70 - 130	

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-47517-A-1-A MS

Lab Sample ID: 880-47517-A-1-B MSD

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89084

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1 F2	0.100	0.009098	F1	mg/Kg		9	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.01875	F1	mg/Kg		9	70 - 130	
o-Xylene	<0.00200	U F1 F2	0.100	0.009491	F1	mg/Kg		9	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89084

Analysis Batch: 89018

Matrix: Solid

Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier %Rec RPD Limit Analyte Unit Limits 0.100 0.1354 F1 F2 Benzene <0.00200 U F1 F2 mg/Kg 135 70 - 130 172 35 Toluene <0.00200 UF1F2 0.100 0.1163 F2 mg/Kg 116 70 - 130 170 35 Ethylbenzene <0.00200 UF1F2 0.100 0.1158 F2 116 70 - 130 171 35 mg/Kg <0.00399 UF1F2 0.200 0.2344 F2 70 - 130 170 m-Xylene & p-Xylene mg/Kg 117 35 <0.00200 U F1 F2 0.100 0.1171 F2 70 - 130 170 o-Xylene mg/Kg 117

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-89106/1-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89106

	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		08/21/24 16:18	08/22/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 10:37	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	08/21/24 16:18	08/22/24 10:37	1
o-Terphenyl	152	S1+	70 - 130	08/21/24 16:18	08/22/24 10:37	1

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 89106

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	992.2		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1195		mg/Kg		119	70 - 130	
C10-C28)								

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89106

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 108 70 - 130 o-Terphenyl 131 S1+ 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Batch: 89106

Lab Sample ID: LCSD 880-89106/3-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 89140

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 978.9 98 70 - 13020 Gasoline Range Organics mg/Kg

(GRO)-C6-C10 Diesel Range Organics (Over 1000 1264 126 mg/Kg 70 - 1306 20

C10-C28)

Surrogate %Recovery Qualifier Limits 107 70 - 130 1-Chlorooctane

LCSD LCSD

Sample Sample

129 70 - 130 o-Terphenyl

Lab Sample ID: 880-47494-A-14-D MS

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89106

Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D Gasoline Range Organics <49.9 U 998 972.2 mg/Kg 97 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 147 998 1200 mg/Kg 106 70 - 130

Spike

MS MS

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits S1+ 70 - 130 1-Chlorooctane 201 187 S1+ o-Terphenyl 70 - 130

Lab Sample ID: 880-47494-A-14-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 89140

Prep Type: Total/NA

Prep Batch: 89106

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 998 979.2 98 Gasoline Range Organics mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 147 998 1256 mg/Kg 111 70 - 130 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 203 S1+ 70 - 130 194 S1+ 70 - 130 o-Terphenyl

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

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

83

76

Lab Sample ID: MB 880-89109/1-A

Lab Sample ID: LCS 880-89109/2-A

Matrix: Solid Analysis Batch: 89258

1-Chlorooctane

Matrix: Solid

Analysis Batch: 89258

o-Terphenyl

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89109

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1
	440	440							
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

Client Sample ID: Lab Control Sample

08/23/24 10:24

08/23/24 10:24

Prep Type: Total/NA

08/21/24 16:22

08/21/24 16:22

Prep Batch: 89109

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 997.1 100 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1002 mg/Kg 100 70 - 130C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 126 70 - 130 o-Terphenyl 110 70 - 130

Lab Sample ID: LCSD 880-89109/3-A

Matrix: Solid

Analysis Batch: 89258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 89109

RPD %Rec

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1012		mg/Kg		101	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1116		mg/Kg		112	70 - 130	11	20
C10-C28)									

Spike

LCSD LCSD

LCSD LCSD %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 107 70 - 130 116

Lab Sample ID: 880-47519-5 MS

Matrix: Solid

Surrogate

o-Terphenyl

Analysis Batch: 89258

Client Sample ID: S-2 (6") Prep Type: Total/NA

Prep Batch: 89109

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	999	896.0	-	mg/Kg		90	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	999	923.0		mg/Kg		92	70 - 130	
C10-C28)										

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

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

MS MS

Lab Sample ID: 880-47519-5 MS Client Sample ID: S-2 (6")

Matrix: Solid

Analysis Batch: 89258

Prep Type: Total/NA

Prep Batch: 89109

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 156 S1+ 70 - 130 o-Terphenyl 154 S1+ 70 - 130

Lab Sample ID: 880-47519-5 MSD Client Sample ID: S-2 (6")

Matrix: Solid

Analysis Batch: 89258

Prep Type: Total/NA

Prep Batch: 89109

, and the second	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	999	932.5		mg/Kg		93	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	999	948.1		mg/Kg		95	70 - 130	3	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	159	S1+	70 - 130
o-Terphenyl	156	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89086/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 89098

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/22/24 13:35	1

Lab Sample ID: LCS 880-89086/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89098

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Quali	fier Unit	D	%Rec	Limits	
Chloride	250	246.6	mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-89086/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89098

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	248.0	mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-47518-A-2-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 89098

Released to Imaging: 12/27/2024 11:25:58 AM

7 mm, y 0.10 = m10.111 00000									
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	8.30		252	253.7		mg/Kg		97	90 - 110

Eurofins Midland

Prep Type: Soluble

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-47518-A-2-D MSD

Lab Sample ID: MB 880-89122/1-A

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analysis Batch: 89098

Matrix: Solid

Matrix: Solid

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 8.30 252 253.4 mg/Kg 97 90 - 110 20

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 89127

мв мв

Result Qualifier MDL Unit Dil Fac Analyte RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/22/24 09:37

Lab Sample ID: LCS 880-89122/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89127

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 229.8 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-89122/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89127

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD Limit D Limits Chloride 250 230.7 90 - 110 20 mg/Kg

Lab Sample ID: 880-47519-7 MS Client Sample ID: S-2 (18") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 89127

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 252 Chloride 12.7 244.3 mg/Kg 92 90 - 110

Lab Sample ID: 880-47519-7 MSD Client Sample ID: S-2 (18") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 89127

Sample Sample Spike MSD MSD %Rec **RPD** Added Result Qualifier RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 12.7 252 244.0 mg/Kg 92 90 - 110 20

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 89018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Total/NA	Solid	8021B	89084
880-47519-2	S-1 (6")	Total/NA	Solid	8021B	89084
880-47519-3	S-1 (12")	Total/NA	Solid	8021B	89084
880-47519-4	S-2 (0-3")	Total/NA	Solid	8021B	89084
880-47519-5	S-2 (6")	Total/NA	Solid	8021B	89084
880-47519-6	S-2 (12")	Total/NA	Solid	8021B	89084
880-47519-7	S-2 (18")	Total/NA	Solid	8021B	89084
880-47519-8	S-2 (24")	Total/NA	Solid	8021B	89084
880-47519-9	S-3 (0-3")	Total/NA	Solid	8021B	89084
880-47519-10	S-3 (6")	Total/NA	Solid	8021B	89084
MB 880-89084/5-A	Method Blank	Total/NA	Solid	8021B	89084
LCS 880-89084/1-A	Lab Control Sample	Total/NA	Solid	8021B	89084
LCSD 880-89084/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89084
880-47517-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	89084
880-47517-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89084

Prep Batch: 89084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Total/NA	Solid	5035	
880-47519-2	S-1 (6")	Total/NA	Solid	5035	
880-47519-3	S-1 (12")	Total/NA	Solid	5035	
880-47519-4	S-2 (0-3")	Total/NA	Solid	5035	
880-47519-5	S-2 (6")	Total/NA	Solid	5035	
880-47519-6	S-2 (12")	Total/NA	Solid	5035	
880-47519-7	S-2 (18")	Total/NA	Solid	5035	
880-47519-8	S-2 (24")	Total/NA	Solid	5035	
880-47519-9	S-3 (0-3")	Total/NA	Solid	5035	
880-47519-10	S-3 (6")	Total/NA	Solid	5035	
MB 880-89084/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-89084/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-89084/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47517-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-47517-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 89185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-47519-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-47519-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-47519-3	S-1 (12")	Total/NA	Solid	Total BTEX	
880-47519-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-47519-5	S-2 (6")	Total/NA	Solid	Total BTEX	
880-47519-6	S-2 (12")	Total/NA	Solid	Total BTEX	
880-47519-7	S-2 (18")	Total/NA	Solid	Total BTEX	
880-47519-8	S-2 (24")	Total/NA	Solid	Total BTEX	
880-47519-9	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-47519-10	S-3 (6")	Total/NA	Solid	Total BTEX	

Eurofins Midland

2

2

4

6

8

4.0

11

13

114

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1 SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 89106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-47519-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-47519-3	S-1 (12")	Total/NA	Solid	8015NM Prep	
880-47519-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-89106/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-89106/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-89106/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47494-A-14-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-47494-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 89109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-5	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-47519-6	S-2 (12")	Total/NA	Solid	8015NM Prep	
880-47519-7	S-2 (18")	Total/NA	Solid	8015NM Prep	
880-47519-8	S-2 (24")	Total/NA	Solid	8015NM Prep	
880-47519-9	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-47519-10	S-3 (6")	Total/NA	Solid	8015NM Prep	
MB 880-89109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-89109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-89109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47519-5 MS	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-47519-5 MSD	S-2 (6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 89140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Total/NA	Solid	8015B NM	89106
880-47519-2	S-1 (6")	Total/NA	Solid	8015B NM	89106
880-47519-3	S-1 (12")	Total/NA	Solid	8015B NM	89106
880-47519-4	S-2 (0-3")	Total/NA	Solid	8015B NM	89106
MB 880-89106/1-A	Method Blank	Total/NA	Solid	8015B NM	89106
LCS 880-89106/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	89106
LCSD 880-89106/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	89106
880-47494-A-14-D MS	Matrix Spike	Total/NA	Solid	8015B NM	89106
880-47494-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	89106

Analysis Batch: 89258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-5	S-2 (6")	Total/NA	Solid	8015B NM	89109
880-47519-6	S-2 (12")	Total/NA	Solid	8015B NM	89109
880-47519-7	S-2 (18")	Total/NA	Solid	8015B NM	89109
880-47519-8	S-2 (24")	Total/NA	Solid	8015B NM	89109
880-47519-9	S-3 (0-3")	Total/NA	Solid	8015B NM	89109
880-47519-10	S-3 (6")	Total/NA	Solid	8015B NM	89109
MB 880-89109/1-A	Method Blank	Total/NA	Solid	8015B NM	89109
LCS 880-89109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	89109
LCSD 880-89109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	89109
880-47519-5 MS	S-2 (6")	Total/NA	Solid	8015B NM	89109
880-47519-5 MSD	S-2 (6")	Total/NA	Solid	8015B NM	89109

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1 SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 89315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-47519-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-47519-3	S-1 (12")	Total/NA	Solid	8015 NM	
880-47519-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-47519-5	S-2 (6")	Total/NA	Solid	8015 NM	
880-47519-6	S-2 (12")	Total/NA	Solid	8015 NM	
880-47519-7	S-2 (18")	Total/NA	Solid	8015 NM	
880-47519-8	S-2 (24")	Total/NA	Solid	8015 NM	
880-47519-9	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-47519-10	S-3 (6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 89086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-47519-2	S-1 (6")	Soluble	Solid	DI Leach	
880-47519-3	S-1 (12")	Soluble	Solid	DI Leach	
880-47519-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-47519-5	S-2 (6")	Soluble	Solid	DI Leach	
880-47519-6	S-2 (12")	Soluble	Solid	DI Leach	
MB 880-89086/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89086/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89086/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47518-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-47518-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 89098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-1	S-1 (0-3")	Soluble	Solid	300.0	89086
880-47519-2	S-1 (6")	Soluble	Solid	300.0	89086
880-47519-3	S-1 (12")	Soluble	Solid	300.0	89086
880-47519-4	S-2 (0-3")	Soluble	Solid	300.0	89086
880-47519-5	S-2 (6")	Soluble	Solid	300.0	89086
880-47519-6	S-2 (12")	Soluble	Solid	300.0	89086
MB 880-89086/1-A	Method Blank	Soluble	Solid	300.0	89086
LCS 880-89086/2-A	Lab Control Sample	Soluble	Solid	300.0	89086
LCSD 880-89086/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89086
880-47518-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	89086
880-47518-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	89086

Leach Batch: 89122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-7	S-2 (18")	Soluble	Solid	DI Leach	
880-47519-8	S-2 (24")	Soluble	Solid	DI Leach	
880-47519-9	S-3 (0-3")	Soluble	Solid	DI Leach	
880-47519-10	S-3 (6")	Soluble	Solid	DI Leach	
MB 880-89122/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89122/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89122/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47519-7 MS	S-2 (18")	Soluble	Solid	DI Leach	

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 89122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-7 MSD	S-2 (18")	Soluble	Solid	DI Leach	

Analysis Batch: 89127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47519-7	S-2 (18")	Soluble	Solid	300.0	89122
880-47519-8	S-2 (24")	Soluble	Solid	300.0	89122
880-47519-9	S-3 (0-3")	Soluble	Solid	300.0	89122
880-47519-10	S-3 (6")	Soluble	Solid	300.0	89122
MB 880-89122/1-A	Method Blank	Soluble	Solid	300.0	89122
LCS 880-89122/2-A	Lab Control Sample	Soluble	Solid	300.0	89122
LCSD 880-89122/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89122
880-47519-7 MS	S-2 (18")	Soluble	Solid	300.0	89122
880-47519-7 MSD	S-2 (18")	Soluble	Solid	300.0	89122

4

5

_

8

12

12

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Client Sample ID: S-1 (0-3") Lab Sample ID: 880-47519-1

Matrix: Solid

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/21/24 21:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/21/24 21:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/22/24 18:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 18:08	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 17:00	CH	EET MID

Client Sample ID: S-1 (6") Lab Sample ID: 880-47519-2 Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.03 g 5 mL 89084 08/21/24 14:16 MNR EET MID Total/NA 8021B 5 mL 08/21/24 23:33 **EET MID** Analysis 1 5 mL 89018 MNR Total/NA Total BTEX 89185 08/21/24 23:33 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 89315 08/22/24 18:25 SM **EET MID** Total/NA 89106 Prep 8015NM Prep 10.01 g 10 mL 08/21/24 16:18 FΙ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 89140 08/22/24 18:25 TKC **EET MID** Soluble 08/21/24 14:26 Leach DI Leach 4.99 g 50 mL 89086 SA EET MID Soluble Analysis 300.0 50 mL 50 mL 89098 08/22/24 17:08 СН **EET MID**

Client Sample ID: S-1 (12") Lab Sample ID: 880-47519-3

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

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			4.97 g	5 mL	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 00:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/22/24 18:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 18:43	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 17:15	CH	EET MID

Client Sample ID: S-2 (0-3") Lab Sample ID: 880-47519-4

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Γ	5.4.1	5.4.		5 ''		-	5			
	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 00:27	SM	EET MID

Eurofins Midland

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1 SDG: Eddy Co, NM

Lab Sample ID: 880-47519-4

Matrix: Solid

Client Sample ID: S-2 (0-3") Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			89315	08/22/24 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 19:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 17:23	CH	EET MID

Lab Sample ID: 880-47519-5 Client Sample ID: S-2 (6")

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16 **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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 13:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	89109	08/21/24 16:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89258	08/23/24 13:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 17:30	CH	EET MID

Client Sample ID: S-2 (12") Lab Sample ID: 880-47519-6 Date Collected: 08/20/24 00:00 **Matrix: Solid**

Date Received: 08/21/24 13:16

	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 01:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89109	08/21/24 16:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89258	08/23/24 14:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 17:38	CH	EET MID

Lab Sample ID: 880-47519-7 Client Sample ID: S-2 (18")

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 14:32	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	89109 89258	08/21/24 16:22 08/23/24 14:32	EL TKC	EET MID EET MID

Eurofins Midland

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Client Sample ID: S-2 (18")

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16 Lab Sample ID: 880-47519-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	89122	08/22/24 07:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89127	08/22/24 09:55	CH	EET MID

Client Sample ID: S-2 (24") Lab Sample ID: 880-47519-8

Date Collected: 08/20/24 00:00 **Matrix: Solid**

Date Received: 08/21/24 13:16

	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 02:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 14:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	89109	08/21/24 16:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89258	08/23/24 14:50	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	89122	08/22/24 07:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89127	08/22/24 10:13	CH	EET MID

Lab Sample ID: 880-47519-9 Client Sample ID: S-3 (0-3")

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Lab	Jampie	ID.	000-47313-3	
			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			4.99 g	5 mL	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 02:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 02:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 15:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	89109	08/21/24 16:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89258	08/23/24 15:07	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	89122	08/22/24 07:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89127	08/22/24 10:19	CH	EET MID

Client Sample ID: S-3 (6") Lab Sample ID: 880-47519-10

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

	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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/22/24 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/22/24 03:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/23/24 15:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89109	08/21/24 16:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89258	08/23/24 15:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	89122	08/22/24 07:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89127	08/22/24 10:25	CH	EET MID

Eurofins Midland

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Laboratory References:

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

Job ID: 880-47519-1 SDG: Eddy Co, NM

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-47519-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

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		
Total BTEX		Solid	Total BTEX		

Method Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-47519-1	S-1 (0-3")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-2	S-1 (6")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-3	S-1 (12")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-4	S-2 (0-3")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-5	S-2 (6")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-6	S-2 (12")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-7	S-2 (18")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-8	S-2 (24")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-9	S-3 (0-3")	Solid	08/20/24 00:00	08/21/24 13:16
880-47519-10	S-3 (6")	Solid	08/20/24 00:00	08/21/24 13:16

Chain of Custod

Chloride 300 ANALYSIS REQU	Bill to: (rf different) Carmona Resources Program: UST/PST [Address:	Bill to: (rt different) Carmona Resources Work Order C
Company Name: Address: City, State ZIP: City, State ZIP: Pres. ARUSH Code Pres. 72 Hrs 72 Hrs 8021B O + DRO + MRO) de 300 de 300	Bill to: (if different) Company Name: Address: City, State ZIP: City, State ZIP: Reporting: Level II	Bill to: (if different) Carmona Resources Work Order Company Name: Company Name: Address: City, State ZIP: City, State ZIP: Reporting:Level Level ST/UST Reporting:Level ST/UST Deliverables: EDD ADaPT
Chloride 300 ANALYSIS REQU	State of Project: Reporting:Level II Louiverables: EDD ANALYSIS REQUEST ANALYSIS REQUEST	Work Order C Program: UST/PST PRP Irowni State of Project: Reporting: Level III Level III ST/I Deliverables: EDD ADaPT
Chloride 300 ANALYSIS REQU	Program: UST/PST [State of Project: Reporting:Level II □L Deliverables: EDD [ANALYSIS REQUEST ANALYSIS REQ
ANALYSIS REQU	Program: UST/PST [State of Project: Reporting:Level II □L Deliverables: EDD [ANALYSIS REQUEST ANALYSIS REQUEST Work Order C Program: UST/PST PRP Irown State of Project: Reporting:Level II Level III ST/I Deliverables: EDD ADaPT
ANALYSIS REQUEST	ram: uST/PST [p of Project: erables: EDD [Work Order C ram: UST/PST PRP Irown of Project: erables: EDD ADaPT
Program: US1 State of Proje Reporting:Leve Deliverables:	ram: uST/PST [p of Project: erables: EDD [Work Order C ram: UST/PST PRP Irown of Project: erables: EDD ADaPT
		Work Order C ST PRP Irown

8/26/2024

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-47519-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 47519 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	
s 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 8/23/2024 1:04:53 PM

JOB DESCRIPTION

Acadia Fed Com 1H (8.20.2024) Eddy Co, NM

JOB NUMBER

880-47517-1

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 8/23/2024 1:04:53 PM

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

3

4

6

8

4.0

11

13

14

Client: Carmona Resources Project/Site: Acadia Fed Com 1H (8.20.2024) Laboratory Job ID: 880-47517-1 SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

2

3

4

6

8

40

11

12

14

Definitions/Glossary

Client: Carmona Resources Job ID: 880-47517-1 Project/Site: Acadia Fed Com 1H (8.20.2024)

SDG: Eddy Co, NM

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits. F2 MS/MSD RPD exceeds control limits

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**

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

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DI	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 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 **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 880-47517-1

Case Narrative

Client: Carmona Resources

Project: Acadia Fed Com 1H (8.20.2024)

Eurofins Midland Job ID: 880-47517-1

Job Narrative 880-47517-1

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 8/21/2024 1:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-47517-1), H-2 (0-0.5') (880-47517-2), H-3 (0-0.5') (880-47517-3) and H-4 (0-0.5') (880-47517-4).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89084 and analytical batch 880-89018 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-47517-1), H-2 (0-0.5') (880-47517-2), H-3 (0-0.5') (880-47517-3), H-4 (0-0.5') (880-47517-4) and (880-47517-A-1-B 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: The method blank for preparation batch 880-89106 and analytical batch 880-89140 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction /re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89106/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-0.5') (880-47517-1), H-2 (0-0.5') (880-47517-2), H-3 (0-0.5') (880-47517-3), H-4 (0-0.5') (880-47517-4), (880-47494-A-14-C), (880-47494-A-14-D MS) and (880-47494-A-14-E MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-89106 and analytical batch 880-89140 was outside the upper control limits.

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-89140 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-89140/21).

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

Job ID: 880-47517-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

Lab Sample ID: 880-47517-1

Client Sample ID: H-1 (0-0.5')

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		08/21/24 14:16	08/21/24 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				08/21/24 14:16	08/21/24 17:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/21/24 14:16	08/21/24 17:40	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/21/24 17:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) ((GC)						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	, ,,	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/22/24 14:49	Dil Fac
Analyte	Result 1450	Qualifier	RL 49.8	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH	Result 1450 sel Range Orga	Qualifier	RL 49.8	MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 1450 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.8		mg/Kg			08/22/24 14:49	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 1450 sel Range Orga Result <49.8	Qualifier nics (DRO) Qualifier	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 08/21/24 16:18	08/22/24 14:49 Analyzed 08/22/24 14:49	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 1450 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg		Prepared	08/22/24 14:49 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 1450 sel Range Orga Result <49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 08/21/24 16:18	08/22/24 14:49 Analyzed 08/22/24 14:49	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)	Result 1450 sel Range Orga Result < 49.8 1450 < 49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18	08/22/24 14:49 Analyzed 08/22/24 14:49 08/22/24 14:49 08/22/24 14:49	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 1450 sel Range Orga Result <49.8 1450	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/24 16:18 08/21/24 16:18	08/22/24 14:49 Analyzed 08/22/24 14:49 08/22/24 14:49	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	Result 1450	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18 Prepared	08/22/24 14:49 Analyzed 08/22/24 14:49 08/22/24 14:49 08/22/24 14:49 Analyzed	Dil Fac 1 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 1-Chlorooctane	Result 1450 sel Range Orga Result < 49.8 1450	Qualifier Dics (DRO) Qualifier U Qualifier S1+ S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/24 16:18 08/21/24 16:18 08/21/24 16:18 Prepared 08/21/24 16:18	08/22/24 14:49 Analyzed 08/22/24 14:49 08/22/24 14:49 08/22/24 14:49 Analyzed 08/22/24 14:49	Dil Fac

Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-47517-2 Date Collected: 08/20/24 00:00 **Matrix: Solid**

290

mg/Kg

5.01

Date Received: 08/21/24 13:16

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/24 14:16	08/21/24 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				08/21/24 14:16	08/21/24 18:08	1
1.4-Difluorobenzene (Surr)	95		70 - 130				08/21/24 14:16	08/21/24 18:08	1

Eurofins Midland

08/22/24 15:22

Client Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

Lab Sample ID: 880-47517-2

Client Sample ID: H-2 (0-0.5')

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/21/24 18:08	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			08/22/24 15:07	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	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:07	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130				08/21/24 16:18	08/22/24 15:07	1
o-Terphenyl	189	S1+	70 - 130				08/21/24 16:18	08/22/24 15:07	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.98	-	5.05		mg/Kg			08/22/24 15:30	

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-47517-3

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	,
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				08/21/24 14:16	08/21/24 18:35	1
	103		70 - 130				08/21/24 14:16	08/21/24 18:35	1
Method: TAL SOP Total BTEX -	Total BTEX Cald			MDL	Unit	D			
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX -	Total BTEX Cald			MDI	Unit	D			
·	Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result < 0.00399 sel Range Organ	Qualifier U	RL 0.00399		mg/Kg		Prepared	Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00399 sel Range Organ Result	Qualifier U	RL 0.00399		mg/Kg	<u>D</u>		Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result < 0.00399 sel Range Organ	Qualifier U	RL 0.00399		mg/Kg		Prepared	Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	rotal BTEX Calc Result <0.00399 sel Range Organ Result 195	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 49.6		mg/Kg		Prepared	Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	rotal BTEX Calc Result <0.00399 sel Range Organ Result 195 esel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 49.6	MDL	mg/Kg		Prepared	Analyzed 08/21/24 18:35	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	rotal BTEX Calc Result <0.00399 sel Range Organ Result 195 esel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00399 GC) RL 49.6 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/21/24 18:35 Analyzed 08/22/24 15:25	Dil Fac

Eurofins Midland

Matrix: Solid

Job ID: 880-47517-1

SDG: Eddy Co, NM

Client Sample ID: H-3 (0-0.5')

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16 Lab Sample ID: 880-47517-3

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/21/24 16:18	08/22/24 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	192	S1+	70 - 130			08/21/24 16:18	08/22/24 15:25	1
o-Terphenyl		S1+	70 - 130			08/21/24 16:18	08/22/24 15:25	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <4.98 U Chloride 4.98 08/22/24 15:37 mg/Kg

Client Sample ID: H-4 (0-0.5')

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47517-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/21/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				08/21/24 14:16	08/21/24 19:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/21/24 14:16	08/21/24 19:02	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	П	0.00398		mg/Kg			08/21/24 19:02	1

Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	307		49.8		mg/Kg			08/22/24 15:43	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	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	_	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	08/21/24 16:18	08/22/24 15:43	1
Diesel Range Organics (Over C10-C28)	307		49.8	mg/Kg	08/21/24 16:18	08/22/24 15:43	1
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg	08/21/24 16:18	08/22/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130	08/21/24 16:18	08/22/24 15:43	1
o-Terphenyl	190	S1+	70 - 130	08/21/24 16:18	08/22/24 15:43	1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	321		4.96		mg/Kg			08/22/24 15:45	1

Surrogate Summary

Client: Carmona Resources Job ID: 880-47517-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

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)	
880-47517-1	H-1 (0-0.5')	132 S1+	94	
880-47517-1 MS	H-1 (0-0.5')	106	83	
880-47517-1 MSD	H-1 (0-0.5')	141 S1+	105	
880-47517-2	H-2 (0-0.5')	139 S1+	95	
880-47517-3	H-3 (0-0.5')	141 S1+	103	
880-47517-4	H-4 (0-0.5')	137 S1+	97	
LCS 880-89084/1-A	Lab Control Sample	114	78	
LCSD 880-89084/2-A	Lab Control Sample Dup	106	89	
MB 880-89084/5-A	Method Blank	81	89	
Surrogate Legend				
BFB = 4-Bromofluorobenz	zene (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Trop type: returns
_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-47494-A-14-D MS	Matrix Spike	201 S1+	187 S1+	
880-47494-A-14-E MSD	Matrix Spike Duplicate	203 S1+	194 S1+	
880-47517-1	H-1 (0-0.5')	182 S1+	194 S1+	
880-47517-2	H-2 (0-0.5')	187 S1+	189 S1+	
880-47517-3	H-3 (0-0.5')	192 S1+	193 S1+	
880-47517-4	H-4 (0-0.5')	186 S1+	190 S1+	
LCS 880-89106/2-A	Lab Control Sample	108	131 S1+	
LCSD 880-89106/3-A	Lab Control Sample Dup	107	129	
MB 880-89106/1-A	Method Blank	146 S1+	152 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89084/5-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89084

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/21/24 17:13	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/21/24 14:16	08/21/24 17:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/21/24 14:16	08/21/24 17:13	1

Lab Sample ID: LCS 880-89084/1-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89084

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1121		mg/Kg		112	70 - 130	
Toluene	0.100	0.1160		mg/Kg		116	70 - 130	
Ethylbenzene	0.100	0.1208		mg/Kg		121	70 - 130	
m-Xylene & p-Xylene	0.200	0.2469		mg/Kg		123	70 - 130	
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	114		70 - 130		
1,4-Difluorobenzene (Surr)	78		70 - 130		

Lab Sample ID: LCSD 880-89084/2-A

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89084

	Spike	LCSD LCS	iD .			%Rec		RPD	
Analyte	Added	Result Qual	lifier Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1249	mg/Kg	_	125	70 - 130	11	35	
Toluene	0.100	0.1097	mg/Kg		110	70 - 130	6	35	
Ethylbenzene	0.100	0.1117	mg/Kg		112	70 - 130	8	35	
m-Xylene & p-Xylene	0.200	0.2264	mg/Kg		113	70 - 130	9	35	
o-Xylene	0.100	0.1144	mg/Kg		114	70 - 130	9	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	106		70 - 130		
1.4-Difluorobenzene (Surr)	89		70 ₋ 130		

Lab Sample ID: 880-47517-1 MS

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 89084

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 F2	0.100	0.01035	F1	mg/Kg		10	70 - 130	
Toluene	<0.00200	U F1 F2	0.100	0.009432	F1	mg/Kg		9	70 - 130	

Eurofins Midland

Page 10 of 22

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-47517-1 MS

Matrix: Solid

Analysis Batch: 89018

Client Sample ID: H-1	(0-0.5')
Prep Type: To	otal/NA

Prep Batch: 89084

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1 F2	0.100	0.009098	F1	mg/Kg		9	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.01875	F1	mg/Kg		9	70 - 130	
o-Xylene	<0.00200	U F1 F2	0.100	0.009491	F1	mg/Kg		9	70 - 130	

MS MS

4-Bromofluorobenzene (Surr) 1 4-Diffuorobenzene (Surr)	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	106		70 - 130	
1,4-Difluorobenzene (Surr)	83		70 - 130	

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 89084

Lab Sample ID: 880-47517-1 MSD **Matrix: Solid**

Analysis Batch: 89018

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.100	0.1354	F1 F2	mg/Kg		135	70 - 130	172	35
Toluene	<0.00200	U F1 F2	0.100	0.1163	F2	mg/Kg		116	70 - 130	170	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1158	F2	mg/Kg		116	70 - 130	171	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.2344	F2	mg/Kg		117	70 - 130	170	35
o-Xylene	<0.00200	U F1 F2	0.100	0.1171	F2	mg/Kg		117	70 - 130	170	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-89106/1-A

Matrix: Solid

Analysis Batch: 89140

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

Prep Batch: 89106

	IVID	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		08/21/24 16:18	08/22/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 10:37	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	08/21/24 16:18	08/22/24 10:37	1
o-Terphenyl	152	S1+	70 - 130	08/21/24 16:18	08/22/24 10:37	1

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

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

Prep Batch: 89106

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	992.2		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1195		mg/Kg		119	70 - 130	
C10-C28)								

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89106

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 108 70 - 130 o-Terphenyl 131 S1+ 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89106

Prep Type: Total/NA

Lab Sample ID: LCSD 880-89106/3-A **Matrix: Solid**

Analysis Batch: 89140

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	978.9		mg/Kg		98	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1264		mg/Kg		126	70 - 130	6	20
C10-C28)									

Surrogate	%Recovery Qu	alifier Limits
1-Chlorooctane	107	70 - 130
o-Terphenyl	129	70 - 130

LCSD LCSD

Lab Sample ID: 880-47494-A-14-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 89140

Prep Batch: 89106 Sample Sample MS MS Spike Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 972.2 mg/Kg 97 70 - 130

(GRO)-C6-C10 Diesel Range Organics (Over 147 998 1200 mg/Kg 106 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits S1+ 70 - 130 1-Chlorooctane 201 o-Terphenyl 187 S1+ 70 - 130

Lab Sample ID: 880-47494-A-14-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 89140 Prep Batch: 89106

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <49.9 U 998 979.2 98 mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 147 998 1256 mg/Kg 111 70 - 130 20

C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 203 S1+ 70 - 130 o-Terphenyl 194 S1+ 70 - 130

QC Sample Results

RL

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89086/1-A

Matrix: Solid

Analysis Batch: 89098

мв мв

Analyte

Result Qualifier

Sample Sample

Qualifier

Qualifier

Result

8.30

8.30

<5.00 U 5.00 MDL Unit mg/Kg D Prepared

D

%Rec

99

Dil Fac Analyzed 08/22/24 13:35

Prep Type: Soluble

Prep Type: Soluble

RPD

RPD

Limit

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

%Rec

Limits

%Rec

Limits

Lab Sample ID: LCS 880-89086/2-A

Matrix: Solid

Chloride

Analysis Batch: 89098

Analyte

Chloride

Lab Sample ID: LCSD 880-89086/3-A **Matrix: Solid**

Analysis Batch: 89098

Analyte

Chloride

Chloride

Lab Sample ID: 880-47518-A-2-C MS **Matrix: Solid**

Analysis Batch: 89098

Analyte

Lab Sample ID: 880-47518-A-2-D MSD **Matrix: Solid**

Analysis Batch: 89098

Sample Sample Analyte Result Chloride

Spike Added 250

Spike

Added

250

Spike

Added

Spike

Added

252

252

Result Qualifier 246.6

Qualifier

Qualifier

Qualifier

LCS LCS

LCSD LCSD

MS MS

MSD MSD

Result

248.0

Result

253.7

Result

253.4

Client Sample ID: Lab Control Sample Dup

Unit

mg/Kg

mg/Kg

Unit

mg/Kg

Unit

%Rec

%Rec

90 - 110 Client Sample ID: Matrix Spike

Prep Type: Soluble

90 - 110

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

%Rec RPD Unit %Rec Limits RPD Limit mg/Kg 97 90 - 110 0 20

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 89018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	8021B	89084
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	8021B	89084
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	8021B	89084
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	8021B	89084
MB 880-89084/5-A	Method Blank	Total/NA	Solid	8021B	89084
LCS 880-89084/1-A	Lab Control Sample	Total/NA	Solid	8021B	89084
LCSD 880-89084/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89084
880-47517-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	89084
880-47517-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	89084

Prep Batch: 89084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-89084/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-89084/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-89084/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47517-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-47517-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 89183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 89106

Γ	011 1 0 1 ID				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-89106/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-89106/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-89106/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47494-A-14-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-47494-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 89140

Released to Imaging: 12/27/2024 11:25:58 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	89106
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	89106
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	89106
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	89106
MB 880-89106/1-A	Method Blank	Total/NA	Solid	8015B NM	89106
LCS 880-89106/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	89106

Eurofins Midland

Page 14 of 22

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 89140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-89106/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	89106
880-47494-A-14-D MS	Matrix Spike	Total/NA	Solid	8015B NM	89106
880-47494-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	89106

Analysis Batch: 89313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-47517-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM
880-47517-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM
880-47517-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM
880-47517-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM

HPLC/IC

Leach Batch: 89086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-47517-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-47517-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-47517-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-89086/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89086/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89086/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47518-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-47518-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 89098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47517-1	H-1 (0-0.5')	Soluble	Solid	300.0	89086
880-47517-2	H-2 (0-0.5')	Soluble	Solid	300.0	89086
880-47517-3	H-3 (0-0.5')	Soluble	Solid	300.0	89086
880-47517-4	H-4 (0-0.5')	Soluble	Solid	300.0	89086
MB 880-89086/1-A	Method Blank	Soluble	Solid	300.0	89086
LCS 880-89086/2-A	Lab Control Sample	Soluble	Solid	300.0	89086
LCSD 880-89086/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89086
880-47518-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	89086
880-47518-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	89086

Eurofins Midland

-

3

4

R

9

11

13

14

omio midiano

Lab Chronicle

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

Client Sample ID: H-1 (0-0.5')

Date Collected: 08/20/24 00:00 Date Received: 08/21/24 13:16

Lab Sample ID: 880-47517-1

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			5.01 g	5 mL	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/21/24 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89183	08/21/24 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			89313	08/22/24 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 14:49	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 15:22	CH	EET MID

Client Sample ID: H-2 (0-0.5')

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47517-2

Matrix: Solid

Dil Initial Final Batch 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 89084 08/21/24 14:16 MNR EET MID Total/NA 8021B 5 mL 08/21/24 18:08 **EET MID** Analysis 1 5 mL 89018 MNR Total/NA Total BTEX 89183 08/21/24 18:08 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 89313 08/22/24 15:07 SM **EET MID** Total/NA 89106 Prep 8015NM Prep 10.04 g 10 mL 08/21/24 16:18 FΙ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 89140 08/22/24 15:07 TKC **EET MID** Soluble 08/21/24 14:26 Leach DI Leach 4.95 g 50 mL 89086 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 89098 08/22/24 15:30 СН **EET MID**

Client Sample ID: H-3 (0-0.5')

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47517-3

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			5.01 g	5 mL	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/21/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89183	08/21/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			89313	08/22/24 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 15:37	CH	EET MID

Client Sample ID: H-4 (0-0.5')

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47517-4	
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	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/21/24 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89183	08/21/24 19:02	SM	EET MID

Eurofins Midland

Page 16 of 22

Lab Chronicle

Client: Carmona Resources

Date Received: 08/21/24 13:16

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1 SDG: Eddy Co, NM

Client Sample ID: H-4 (0-0.5') Lab Sample ID: 880-47517-4 Date Collected: 08/20/24 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			89313	08/22/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89106	08/21/24 16:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89140	08/22/24 15:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	89086	08/21/24 14:26	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89098	08/22/24 15:45	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: 880-47517-1 Project/Site: Acadia Fed Com 1H (8.20.2024) SDG: Eddy Co, NM

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	NELAP		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: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
880-47517-1	H-1 (0-0.5')	Solid	08/20/24 00:00	08/21/24 13:16	
880-47517-2	H-2 (0-0.5')	Solid	08/20/24 00:00	08/21/24 13:16	
880-47517-3	H-3 (0-0.5')	Solid	08/20/24 00:00	08/21/24 13:16	
880-47517-4	H-4 (0-0.5')	Solid	08/20/24 00:00	08/21/24 13:16	

Relinquished by: (Signature)

4-20-24

Date/Time

Received by: (Signature)

2 3 Date/Time Project Number: Phone: Project Name: City, State ZIP: \ddress: roject Manager. ompany Name: Conner Moehring 310 W Wall St Ste 500 Carmona Resources Acadia Fed Com 1H (8.20.2024) 2501 Routine **Turn Around** mcarmona@carmonaresources.com Bill to: (if different) City, State ZIP: Company Name: Rush Code Carmona Resources ANALYSIS REQUEST Reporting:Level II Level III ST/UST Deliverables: EDD State of Project: Program: UST/PST ☐PRP ☐ prownfields ☐ RC **Work Order Comments** ADaPT None: NO Preservative Codes RRP Other:

SAMPLE RECEIPT

Emp Blank: Yes

Yes No

Wet Ice:

Keg.

S

Parameters

BTEX 8021B

TPH 8015M (GRO + DRO + MRO)

Chloride 300

H₂SO₄: H₂ HCL: HC

NaOH: Na

Cool: Cool

МеОН: Ме HNO3: HN

DI Water: H₂O

□Level IV □

perfund

eceived Intact oler Custody Seals:

ample Custody Seals:

Yes Yes

Corrected Temperature:

Temperature Reading:

No NA NO N/A

> Correction Factor. Thermometer ID:

No

Sample Identification

Date

Time

Soil

Water

Grab/

Comp

Cont

G

_

×

× × ×

× × ×

G

H-3 (0-0.5") H-2 (0-0.5") H-1 (0-0.5')

8/20/2024

× × ×

×

G G 8/20/2024

H4 (0-0.5')

8/20/2024 8/20/2024 Sampler's Name:

Project Location

Eddy Co, NM

Due Date:

72 Hrs

'n

	W
Page1 of1_	880-47517 Chain of Custody
	8/23/2024

Page 21 of 22

Sample Comments

Zn Acetate+NaOH: Zn Na2S2O3: NaSO3 NaHSO₄: NABIS H3PO4: HP

NaOH+Ascorbic Acid: SAPC

Released to Imaging: 12/27/2024 11:25:58 AM

13 14

Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47517-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 47517 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	

y 102

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500

Midland, Texas 79701 Generated 9/16/2024 5:28:58 PM

JOB DESCRIPTION

Acadia Fed Com 1H (8.20.24) Eddy Co, NM

JOB NUMBER

880-48439-1

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 9/16/2024 5:28:58 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

Page 2 of 41

9/16/2024

Client: Carmona Resources Project/Site: Acadia Fed Com 1H (8.20.24) Laboratory Job ID: 880-48439-1 SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	26
Lab Chronicle	31
Certification Summary	36
Method Summary	37
Sample Summary	38
Chain of Custody	39
Receint Checklists	41

Definitions/Glossary

Job ID: 880-48439-1 Client: Carmona Resources Project/Site: Acadia Fed Com 1H (8.20.24) SDG: Eddy Co, NM

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**

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**

Detection Limit (DoD/DOE) DL

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) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

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

NFG 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)

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

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

TNTC Too Numerous To Count

Job ID: 880-48439-1

Case Narrative

Client: Carmona Resources

Project: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 **Eurofins Midland**

Job Narrative 880-48439-1

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 9/13/2024 3:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-48439-1), CS-2 (0.5') (880-48439-2), CS-3 (0.5') (880-48439-3), CS-4 (1.5') (880-48439-4), SW-1 (1.5') (880-48439-5), SW-2 (1.5') (880-48439-6), SW-3 (1.5') (880-48439-7), SW-4 (1.5') (880-48439-8), SW-5 (1.5') (880-48439-9), SW-6 (1.5') (880-48439-10), SW-7 (0.5') (880-48439-11), SW-8 (0.5') (880-48439-12), SW-9 (1.5') (880-48439-13), SW-10 (1.5') (880-48439-14), SW-11 (1.5') (880-48439-15) and SW-12 (1.5') (880-48439-16).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90770 and analytical batch 880-90765 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90765 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-90765/33).

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 method blank for preparation batch 880-90746 and analytical batch 880-90802 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-90804 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 880-90804/19).

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

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: Acadia Fed Com 1H (8.20.24)

Client Sample ID: CS-1 (1.5')

Date Collected: 09/12/24 00:00

Job ID: 880-48439-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48439-1

Matrix: Solid

Date Received: 09/13/24 15:01								
Method: SW846 8021B - Volatile Organic Compounds (GC	2)							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/14/24 12:21	09/14/24 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				09/14/24 12:21	09/14/24 16:05	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/14/24 12:21	09/14/24 16:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg		_		09/14/24 16:05	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepa	ared Analyzed	I Dil Fac
Total TPH	<50.0	U	50.0	mg/	Kg		09/16/24 11	:33 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 11:33	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 11:33	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analvzed	Dil Fac

Surrogate	%Recovery Qualifi	ner Limits	Prepared	Anaryzea	DII Fac
1-Chlorooctane	85	70 - 130	09/13/24 15:59	09/16/24 11:33	1
o-Terphenyl	76	70 - 130	09/13/24 15:59	09/16/24 11:33	1
_					

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg				09/14/24 11:17	1

Client Sample ID: CS-2 (0.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-2

09/14/24 16:25

09/14/24 12:21

Matrix: Solid

111

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/24 12:21	09/14/24 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				09/14/24 12:21	09/14/24 16:25	1

Eurofins Midland

70 - 130

1,4-Difluorobenzene (Surr)

Client Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: CS-2 (0.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/14/24 16:25	1
Method: SW846 8015 NM - Diesel	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			09/16/24 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	<49.9	U	49.9		mg/Kg		09/13/24 15:59	09/16/24 12:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/13/24 15:59	09/16/24 12:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/24 15:59	09/16/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				09/13/24 15:59	09/16/24 12:23	
o-Terphenyl	78		70 - 130				09/13/24 15:59	09/16/24 12:23	•
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			09/14/24 11:26	

Client Sample ID: CS-3 (0.5') Lab Sample ID: 880-48439-3 Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	,
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 16:46	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 16:46	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/14/24 12:21	09/14/24 16:46	
4.4.0%	110		70 ₋ 130				09/14/24 12:21	09/14/24 16:46	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald			MDI	Unit	n			
	- Total BTEX Cald						09/14/24 12.21	09/14/24 10.40	
	- Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/14/24 16:46	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00401	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	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 09/14/24 16:46	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/14/24 16:46 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 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/14/24 16:46 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 <0.00401 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 16:46 Analyzed 09/16/24 12:40	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 <0.00401 esel Range Organ Result <50.0 diesel Range Orga Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00401 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 16:46 Analyzed 09/16/24 12:40 Analyzed	Dil Fa

Client: Carmona Resources Job ID: 880-48439-1 Project/Site: Acadia Fed Com 1H (8.20.24) SDG: Eddy Co, NM

Client Sample ID: CS-3 (0.5') Lab Sample ID: 880-48439-3

Date Collected: 09/12/24 00:00 Matrix: Solid Date Received: 09/13/24 15:01

Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				09/13/24 15:59	09/16/24 12:40	1
o-Terphenyl	75		70 - 130				09/13/24 15:59	09/16/24 12:40	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/14/24 11:35	1

Client Sample ID: CS-4 (1.5') Lab Sample ID: 880-48439-4 Date Collected: 09/12/24 00:00 Matrix: Solid

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01								Matri	ix: Solic
Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)	<u> </u>						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 17:06	
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 17:06	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	117		70 - 130				09/14/24 12:21	09/14/24 17:06	-
1,4-Difluorobenzene (Surr)	113		70 - 130				09/14/24 12:21	09/14/24 17:06	
- Method: TAL SOP Total BTEX	- Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/14/24 17:06	
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 12:56	
- Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				09/13/24 15:59	09/16/24 12:56	1
o-Terphenyl	75		70 - 130				09/13/24 15:59	09/16/24 12:56	1

Method: EPA 300.0 - Anions, Ion Chro	omatograp	hy - Soluble						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05	mg/Kg			09/14/24 11:44	1

Client Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24) SDG: Eddy Co, NM

Lab Sample ID: 880-48439-5

Client Sample ID: SW-1 (1.5') Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Matrix: Solid

Job ID: 880-48439-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/14/24 12:21	09/14/24 17:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/14/24 12:21	09/14/24 17:26	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<0.00398 I Range Organ		0.00398 GC)		mg/Kg			09/14/24 17:26	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI		n	Prepared		
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) (MDL		<u>D</u>	Prepared	09/14/24 17:26 Analyzed 09/16/24 13:13	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.7	ics (DRO) (Gualifier	RL 49.7	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.7 sel Range Organ	ics (DRO) (Qualifier U	RL 49.7 (GC)		Unit mg/Kg		<u> </u>	Analyzed 09/16/24 13:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <49.7 sel Range Orga Result	ics (DRO) (Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)	MDL MDL	Unit mg/Kg Unit	<u>D</u>	Prepared	Analyzed 09/16/24 13:13 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.7 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)		Unit mg/Kg		<u> </u>	Analyzed 09/16/24 13:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <49.7 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 49.7 (GC)		Unit mg/Kg Unit mg/Kg		Prepared 09/13/24 15:59	Analyzed 09/16/24 13:13 Analyzed 09/16/24 13:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <49.7 sel Range Orga Result <49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U	(GC) RL 49.7 (GC) RL 49.7		Unit mg/Kg Unit		Prepared	Analyzed 09/16/24 13:13 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	el Range Organ Result <49.7 sel Range Orga Result <49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U	(GC) RL 49.7 (GC) RL 49.7		Unit mg/Kg Unit mg/Kg		Prepared 09/13/24 15:59	Analyzed 09/16/24 13:13 Analyzed 09/16/24 13:13	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 <49.7 sel Range Orga Result <49.7 <49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 15:59 09/13/24 15:59	Analyzed 09/16/24 13:13 Analyzed 09/16/24 13:13 09/16/24 13:13	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 <49.7 sel Range Orga Result <49.7 <49.7 <49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7 49.7		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 15:59 09/13/24 15:59 09/13/24 15:59	Analyzed 09/16/24 13:13 Analyzed 09/16/24 13:13 09/16/24 13:13	Dil Fac

Client Sample ID: SW-2 (1.5') Lab Sample ID: 880-48439-6 Date Collected: 09/12/24 00:00 **Matrix: Solid**

RL

4.98

MDL Unit

mg/Kg

D

Prepared

Analyzed

09/14/24 12:10

Dil Fac

Result Qualifier

<4.98 U

Date Received: 09/13/24 15:01

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/24 12:21	09/14/24 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/14/24 12:21	09/14/24 17:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/14/24 12:21	09/14/24 17:47	1

Client Sample Results

Client: Carmona Resources

Date Received: 09/13/24 15:01

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: SW-2 (1.5') Lab Sample ID: 880-48439-6 Date Collected: 09/12/24 00:00

Matrix: Solid

09/14/24 12:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/14/24 17:47	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			09/16/24 13:30	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		09/13/24 15:59	09/16/24 13:30	
GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:30	•
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	91		70 - 130				09/13/24 15:59	09/16/24 13:30	
o-Terphenyl	78		70 - 130				09/13/24 15:59	09/16/24 13:30	:

Client Sample ID: SW-3 (1.5') Lab Sample ID: 880-48439-7 Date Collected: 09/12/24 00:00 **Matrix: Solid**

4.96

mg/Kg

<4.96 U

Date Received: 09/13/24 15:01

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/14/24 12:21	09/14/24 18:07	
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/14/24 12:21	09/14/24 18:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130				09/14/24 12:21	09/14/24 18:07	
	113		70 - 130				09/14/24 12:21	09/14/24 18:07	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald			MDL	Unit	D			
Method: TAL SOP Total BTEX	- Total BTEX Cald								
	- Total BTEX Cald	Qualifier	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/14/24 18:07	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404			<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg	<u> </u>	Prepared	Analyzed 09/14/24 18:07	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.8		mg/Kg	<u> </u>	Prepared	Analyzed 09/14/24 18:07 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.8	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 09/14/24 18:07 Analyzed	Dil Fa
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 <0.00404 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 18:07 Analyzed 09/16/24 13:46	Dil Fa

Project/Site: Acadia Fed Com 1H (8.20.24)

Client Sample ID: SW-3 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Job ID: 880-48439-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48439-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				09/13/24 15:59	09/16/24 13:46	1
o-Terphenyl	72		70 - 130				09/13/24 15:59	09/16/24 13:46	1

Method	l: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble	•						
Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride		<5.04	U	5.04		mg/Kg			09/14/24 12:46	1

Client Sample ID: SW-4 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-8

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				09/14/24 12:21	09/14/24 18:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/14/24 12:21	09/14/24 18:28	1

Method: TAL SOP	Total BTEX - Total BTEX Calculation	
	B 11 6 110	ъ.

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401		mg/Kg			09/14/24 18:28	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			09/16/24 14:03	1

motriod: Otto-to-to-to-time Biod	on italige of ge	iiiioo (Bito)	(00)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 14:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 14:03	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				09/13/24 15:59	09/16/24 14:03	1

	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble
--	--

modificati El 71 coole 7 anono, ion o	momatograp	, •••••••							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			09/14/24 12:54	1

70 - 130

Eurofins Midland

09/13/24 15:59 09/16/24 14:03

o-Terphenyl

Client Sample ID: SW-5 (1.5') Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48439-9

09/16/24 11:33

Analyzed

09/14/24 13:03

Dil Fac

09/16/24 08:44

Prepared

D

JO 40-	100 0	
Matrix:	Solid	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/14/24 12:21	09/14/24 18:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/14/24 12:21	09/14/24 18:48	1
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
				MDL	Unit	D	Prepared		Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 11:33	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	<49.9	U	49.9		mg/Kg		09/16/24 08:44	09/16/24 11:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/16/24 08:44	09/16/24 11:33	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/16/24 08:44	09/16/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane		Qualifier	70 - 130				Prepared 09/16/24 08:44	Analyzed 09/16/24 11:33	Dil Fac

Client Sample ID: SW-6 (1.5') Lab Sample ID: 880-48439-10 Date Collected: 09/12/24 00:00 **Matrix: Solid**

RL

4.96

MDL Unit

mg/Kg

70 - 130

92

<4.96 U

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Received: 09/13/24 15:01

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/14/24 12:21	09/14/24 19:09	1
1.4-Difluorobenzene (Surr)	112		70 - 130				09/14/24 12:21	09/14/24 19:09	1

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: SW-6 (1.5')

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<5.00 U

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-10

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/14/24 19:09	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	<49.8	U	49.8		mg/Kg			09/16/24 12:23	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		09/16/24 08:44	09/16/24 12:23	1
Caccinio i tange Organico		-	40.0		9,9			00/10/21 12:20	
(GRO)-C6-C10			40.0		9/119			00,10,2112	'
• •	<49.8		49.8		mg/Kg		09/16/24 08:44	09/16/24 12:23	1
(GRO)-C6-C10									1
(GRO)-C6-C10 Diesel Range Organics (Over		U							1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:23	1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 <49.8	U U	49.8		mg/Kg		09/16/24 08:44 09/16/24 08:44	09/16/24 12:23 09/16/24 12:23	1 1 Dil Fac

5.00 Client Sample ID: SW-7 (0.5') Lab Sample ID: 880-48439-11

RL

MDL Unit

mg/Kg

D

Prepared

Analyzed

09/14/24 13:12

Matrix: Solid

Date Collected: 09/12/24 00:00

Analyte

Chloride

Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.0 %	97		70 - 130				09/14/24 12:21	09/14/24 20:59	1
4-Bromofluorobenzene (Surr)	0,								
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	104		70 ₋ 130	MDI	ll=i4		09/14/24 12:21	09/14/24 20:59	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	09/14/24 12:21 Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00402	Qualifier U	RL 0.00402	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U	RL 0.00402		mg/Kg		Prepared	Analyzed 09/14/24 20:59	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 esel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg	<u>D</u>		Analyzed 09/14/24 20:59 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 09/14/24 20:59	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00402 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 GC) RL 49.8		mg/Kg		Prepared	Analyzed 09/14/24 20:59 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <0.00402 esel Range Organ Result <49.8 iesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 GC) RL 49.8	MDL	mg/Kg		Prepared	Analyzed 09/14/24 20:59 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00402 esel Range Organ Result <49.8 iesel Range Organ	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	RL 0.00402 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 20:59 Analyzed 09/16/24 12:40	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Cald Result <0.00402 esel Range Organ Result <49.8 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier U	RL 0.00402 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 20:59 Analyzed 09/16/24 12:40 Analyzed	Dil Fac

Project/Site: Acadia Fed Com 1H (8.20.24)

Lab Sample ID: 880-48439-11

Client Sample ID: SW-7 (0.5') Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Matrix: Solid

Job ID: 880-48439-1

SDG: Eddy Co, NM

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/16/24 08:44	09/16/24 12:40	1
o-Terphenyl	99		70 - 130				09/16/24 08:44	09/16/24 12:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed Chloride <5.02 U 5.02 09/13/24 23:39 mg/Kg

Client Sample ID: SW-8 (0.5') Lab Sample ID: 880-48439-12 Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 09/14/24 12:21 09/14/24 21:19 mg/Kg Toluene <0.00200 U 0.00200 09/14/24 12:21 09/14/24 21:19 mg/Kg Ethylbenzene <0.00200 U 0.00200 09/14/24 12:21 09/14/24 21:19 mg/Kg m-Xylene & p-Xylene 09/14/24 12:21 09/14/24 21:19 <0.00401 U 0.00401 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 09/14/24 12:21 09/14/24 21:19 Xylenes, Total <0.00401 U 0.00401 mg/Kg 09/14/24 12:21 09/14/24 21:19 %Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 09/14/24 12:21 4-Bromofluorobenzene (Surr) 115 09/14/24 21:19 1,4-Difluorobenzene (Surr) 70 - 130 110 09/14/24 12:21 09/14/24 21:19

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00401 U 0.00401 mg/Kg 09/14/24 21:19

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.9 Ū 49.9 09/16/24 12:56 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 09/16/24 08:44 09/16/24 12:56 mg/Kg (GRO)-C6-C10 09/16/24 08:44 09/16/24 12:56 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/16/24 08:44 09/16/24 12:56 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 94 70 - 130 09/16/24 08:44 09/16/24 12:56 91 70 - 130 09/16/24 08:44 09/16/24 12:56 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed Chloride <5.05 U 5.05 09/13/24 23:59 mg/Kg

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48439-13

Matrix: Solid

Client Sample ID: SW-9 (1.5') Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/24 12:21	09/14/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/14/24 12:21	09/14/24 21:40	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/14/24 12:21	09/14/24 21:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/14/24 21:40	1
	_								
Method: SW846 8015 NM - Diesel R	≀ange Organ	ics (DRO) (GC)						

			-						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 13:13	1
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (0	€C)						
A b d	D 14	O II.61	D.	ME	1114		Danie and d	A II	DII E

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 13:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 13:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/16/24 08:44	09/16/24 13:13	1
o-Terphenyl	98		70 - 130				09/16/24 08:44	09/16/24 13:13	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			09/14/24 00:05	1

Client Sample ID: SW-10 (1.5') Lab Sample ID: 880-48439-14

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:21	09/14/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				09/14/24 12:21	09/14/24 22:00	1
1,4-Difluorobenzene (Surr)	112		70 - 130				09/14/24 12:21	09/14/24 22:00	1

Eurofins Midland

Matrix: Solid

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: SW-10 (1.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01 Lab Sample ID: 880-48439-14

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/14/24 22:00	1
Method: SW846 8015 NM - Diese	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			09/16/24 13:30	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	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 13:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 13:30	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				09/16/24 08:44	09/16/24 13:30	1
o-Terphenyl	93		70 - 130				09/16/24 08:44	09/16/24 13:30	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	П	5.03		mg/Kg			09/14/24 00:12	

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-48439-15

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/14/24 12:21	09/14/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/14/24 12:21	09/14/24 22:21	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/14/24 12:21 Prepared	09/14/24 22:21 Analyzed	
, ,		culation	70 - 130				09/14/24 12:21	09/14/24 22:21	1
Method: TAL SOP Total BTEX	(- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	4 - Total BTEX Calc Result <0.00397	Qualifier U	RL 0.00397	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX	 Total BTEX Calc Result <0.00397 esel Range Organ 	Qualifier U	RL 0.00397			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di	 Total BTEX Calc Result <0.00397 esel Range Organ 	Qualifier U ics (DRO) (Qualifier	RL 0.00397		mg/Kg		Prepared	Analyzed 09/14/24 22:21	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	4 - Total BTEX Calc Result <0.00397 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00397 GC) RL 49.7		mg/Kg		Prepared	Analyzed 09/14/24 22:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	C - Total BTEX Calc Result <0.00397 esel Range Organ Result <49.7 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00397 GC) RL 49.7		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/14/24 22:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - E	C - Total BTEX Calc Result <0.00397 esel Range Organ Result <49.7 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00397 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 22:21 Analyzed 09/16/24 13:46	Dil Fac

Client: Carmona Resources Job ID: 880-48439-1 Project/Site: Acadia Fed Com 1H (8.20.24) SDG: Eddy Co, NM

Client Sample ID: SW-11 (1.5') Lab Sample ID: 880-48439-15 Matrix: Solid

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/16/24 08:44	09/16/24 13:46	1
o-Terphenyl	96		70 - 130				09/16/24 08:44	09/16/24 13:46	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	Э						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			09/14/24 00:18	1

Client Sample ID: SW-12 (1.5') Lab Sample ID: 880-48439-16

Date Collected: 09/12/24 00:00 Matrix: Solid Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 22:41	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 22:41	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	127		70 - 130				09/14/24 12:21	09/14/24 22:41	
1,4-Difluorobenzene (Surr)	114		70 - 130				09/14/24 12:21	09/14/24 22:41	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/14/24 22:41	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.7	U	49.7		mg/Kg			09/16/24 14:03	
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	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	•
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	95		70 - 130				09/16/24 08:44	09/16/24 14:03	-
o-Terphenyl	91		70 - 130				09/16/24 08:44	09/16/24 14:03	
Mathada EDA 200 0 - Adiana Jana	Chromatogran	hy - Solubl	e						
Method: EPA 300.0 - Anions, Ion	Cilioniatograp	niy - Solubi	•						
Metnod: EPA 300.0 - Anions, ion Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48439-1

Project/Site: Acadia Fed Com 1H (8.20.24)

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48439-1	CS-1 (1.5')	98	100	
880-48439-1 MS	CS-1 (1.5')	107	99	
880-48439-1 MSD	CS-1 (1.5')	96	97	
880-48439-2	CS-2 (0.5')	116	111	
880-48439-3	CS-3 (0.5')	110	110	
880-48439-4	CS-4 (1.5')	117	113	
880-48439-5	SW-1 (1.5')	112	105	
880-48439-6	SW-2 (1.5')	112	109	
880-48439-7	SW-3 (1.5')	120	113	
880-48439-8	SW-4 (1.5')	125	111	
880-48439-9	SW-5 (1.5')	127	111	
880-48439-10	SW-6 (1.5')	128	112	
880-48439-11	SW-7 (0.5')	97	104	
880-48439-12	SW-8 (0.5')	115	110	
880-48439-13	SW-9 (1.5')	105	108	
880-48439-14	SW-10 (1.5')	124	112	
880-48439-15	SW-11 (1.5')	126	110	
880-48439-16	SW-12 (1.5')	127	114	
LCS 880-90770/1-A	Lab Control Sample	104	96	
LCSD 880-90770/2-A	Lab Control Sample Dup	111	100	
LOOD 000-30110/2-11	Method Blank	166 S1+	110	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent S
		1CO1	OTPH1	
₋ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48439-1	CS-1 (1.5')	85	76	· · · · · · · · · · · · · · · · · · ·
880-48439-1 MS	CS-1 (1.5')	86	82	
880-48439-1 MSD	CS-1 (1.5')	86	81	
880-48439-2	CS-2 (0.5')	89	78	
880-48439-3	CS-3 (0.5')	85	75	
880-48439-4	CS-4 (1.5')	84	75	
880-48439-5	SW-1 (1.5')	86	74	
880-48439-6	SW-2 (1.5')	91	78	
880-48439-7	SW-3 (1.5')	83	72	
880-48439-8	SW-4 (1.5')	90	79	
880-48439-9	SW-5 (1.5')	93	92	
880-48439-9 MS	SW-5 (1.5')	94	99	
880-48439-9 MSD	SW-5 (1.5')	96	102	
880-48439-10	SW-6 (1.5')	99	93	
880-48439-11	SW-7 (0.5')	102	99	
880-48439-12	SW-8 (0.5')	94	91	
880-48439-13	SW-9 (1.5')	101	98	
880-48439-14	SW-10 (1.5')	98	93	

Eurofins Midland

_

5

4.6

10

13

_ _ _ _

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48439-1

Project/Site: Acadia Fed Com 1H (8.20.24)

SDG: Eddy Co, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48439-15	SW-11 (1.5')	101	96	
880-48439-16	SW-12 (1.5')	95	91	
LCS 880-90746/2-A	Lab Control Sample	92	90	
LCS 880-90796/2-A	Lab Control Sample	116	128	
LCSD 880-90746/3-A	Lab Control Sample Dup	91	91	
LCSD 880-90796/3-A	Lab Control Sample Dup	115	124	
MB 880-90746/1-A	Method Blank	85	80	
MB 880-90796/1-A	Method Blank	94	96	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90770/5-A

Lab Sample ID: LCS 880-90770/1-A

Analysis Batch: 90765

Xylenes, Total

Matrix: Solid

o-Xylene

Matrix: Solid

Client Sample ID: Method Blank

09/14/24 15:36

Prep Type: Total/NA

Prep Batch: 90770

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1

MB MB

<0.00400 U

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	09/14/24 12:21	09/14/24 15:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/14/24 12:21	09/14/24 15:36	1

0.00400

mg/Kg

mg/Kg

Client Sample ID: Lab Control Sample

70 - 130

09/14/24 12:21

Prep Type: Total/NA

Prep Batch: 90770

Analysis Batch: 90765 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09286 mg/Kg 93 70 - 130 Toluene 0.100 0.09011 mg/Kg 90 70 - 130 0.100 Ethylbenzene 0.1087 mg/Kg 109 70 - 130 0.200 107 70 - 130 m-Xylene & p-Xylene 0.2146 mg/Kg

0.09046

0.100

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Client Sample ID: Lab Control Sample Dup

90

Matrix: Solid

Lab Sample ID: LCSD 880-90770/2-A

Analysis Batch: 90765

Prep Type: Total/NA Prep Batch: 90770 LCSD LCSD

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09038		mg/Kg		90	70 - 130	3	35
Toluene	0.100	0.08224		mg/Kg		82	70 - 130	9	35
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130	2	35
o-Xylene	0.100	0.09830		mg/Kg		98	70 - 130	8	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48439-1 MS

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: CS-1 (1.5') Prep Type: Total/NA

Prep Batch: 90770

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.101	0.08795		mg/Kg		87	70 - 130	
Toluene	<0.00198	U	0.101	0.07974		mg/Kg		79	70 - 130	

Eurofins Midland

Page 20 of 41

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-48439-1 MS

Lab Sample ID: 880-48439-1 MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA Prep Batch: 90770

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D Ethylbenzene <0.00198 U 0.101 0.08248 82 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00396 0.202 0.1852 mg/Kg 92 70 - 130 o-Xylene <0.00198 U 0.101 0.08724 87 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 90770 RPD

Analysis Batch: 90765 Sample Sample Spike MSD MSD %Rec Result Qualifier Result Qualifier RPD Limit Analyte babbA Unit %Rec Limits Benzene <0.00198 U 0.0998 0.08277 mg/Kg 83 70 - 130 6 35 Toluene <0.00198 0.0998 0.07771 mg/Kg 78 70 - 130 3 35 Ethylbenzene <0.00198 U 0.0998 0.07496 75 70 - 130 10 35 mg/Kg 0.200 79 m-Xylene & p-Xylene <0.00396 U 0.1575 mg/Kg 70 - 130 16 35 <0.00198 U 0.0998 0.07030 70 70 - 130 22 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

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

Lab Sample ID: MB 880-90746/1-A

Matrix: Solid

Analysis Batch: 90802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90746

мв мв Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 50.0 09/13/24 15:59 09/16/24 09:02 <50.0 U Gasoline Range Organics mg/Kg (GRO)-C6-C10 09/16/24 09:02 Diesel Range Organics (Over <50.0 U 50.0 09/13/24 15:59 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 09/13/24 15:59 09/16/24 09:02 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	09/13/24 15:5	9 09/16/24 09:02	1
o-Terphenyl	80		70 - 130	09/13/24 15:5	9 09/16/24 09:02	1

Lab Sample ID: LCS 880-90746/2-A

Released to Imaging: 12/27/2024 11:25:58 AM

Matrix: Solid

Analysis Batch: 90802

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

Prep Batch: 90746

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	874.6		mg/Kg		87	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	719.1		mg/Kg		72	70 - 130
C10-C28)							

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-90746/2-A

Matrix: Solid

Analysis Batch: 90802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90746

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 92 70 - 130 o-Terphenyl 90 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: CS-1 (1.5')

70 - 130

Prep Batch: 90746

Lab Sample ID: LCSD 880-90746/3-A **Matrix: Solid**

Analysis Batch: 90802

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	861.6		mg/Kg		86	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	729.4		mg/Kg		73	70 - 130	1	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-48439-1 MS

Matrix: Solid

Analysis Batch: 90802

Prep Type: Total/NA			
Prep Batch: 90746			
%Rec	IS MS	Spike	Sample Sample

Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 998 815.1 mg/Kg 82 70 - 130 (GRO)-C6-C10 70 - 130 Diesel Range Organics (Over <50.0 U 998 781.8 mg/Kg 78

C10-C28)

ı		IVIS		
	Surrogate	%Recovery	Qualifier	Limits
	1-Chlorooctane	86		70 - 130
	o-Terphenyl	82		70 - 130

Lab Sample ID: 880-48439-1 MSD Client Sample ID: CS-1 (1.5') Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 90802									Pre	p Batch:	90746
	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	998	810.7		mg/Kg		81	70 - 130	1	20

768.8

mg/Kg

998

(GRO)-C6-C10 Diesel Range Organics (Over

C10-C28) MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	86	70 - 130
o-Terphenyl	81	70 - 130

<50.0 U

Eurofins Midland

20

QC Sample Results

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-90796/1-A

Matrix: Solid Analysis Batch: 90804

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90796

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
	MD	МВ							
	IVID	IVID							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

Lab Sample ID: LCS 880-90796/2-A

Matrix: Solid

1-Chlorooctane

o-Terphenyl

Analysis Batch: 90804

Client Sample ID: Lab Control Sample

09/16/24 09:02

09/16/24 09:02

09/16/24 08:44

09/16/24 08:44

Prep Type: Total/NA

Prep Batch: 90796

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 1000 1039 104 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 987.5 mg/Kg 99 70 - 130C10-C28)

LCS LCS

94

96

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 116 70 - 130 o-Terphenyl 128 70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-90796/3-A **Matrix: Solid**

Analysis Batch: 90804

Prep Type: Total/NA

Prep Batch: 90796

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1034		mg/Kg		103	70 - 130	0	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	941.6		mg/Kg		94	70 - 130	5	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	115	70 - 130
o-Terphenyl	124	70 - 130

Lab Sample ID: 880-48439-9 MS Client Sample ID: SW-5 (1.5')

Matrix: Solid

Analysis Batch: 90804

Prep Type: Total/NA

Prep Batch: 90796

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	1010	925.1		mg/Kg		92	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	1010	994.9		mg/Kg		99	70 - 130	
C10-C28)										

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-48439-9 MS

Matrix: Solid

Analysis Batch: 90804

Client Sample ID: SW-5 (1.5')

Prep Type: Total/NA Prep Batch: 90796

MS MS %Recovery Surrogate Qualifier

Limits 1-Chlorooctane 94 70 - 130 o-Terphenyl 99 70 - 130

Lab Sample ID: 880-48439-9 MSD Client Sample ID: SW-5 (1.5')

Matrix: Solid Prep Type: Total/NA Analysis Batch: 90804 Prep Batch: 90796

%Rec RPD Limits RPD Limit 70 - 13020

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D %Rec <49.9 U 1010 937.3 93 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1010 1012 101 <49.9 U mg/Kg 70 - 1302 20 C10-C28)

MSD MSD %Recovery Surrogate Qualifier Limits 96 70 - 130 1-Chlorooctane 102 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90743/1-A

Matrix: Solid

Analysis Batch: 90747

мв мв

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 5.00 <5.00 U mg/Kg 09/14/24 09:14

Lab Sample ID: LCS 880-90743/2-A

Matrix: Solid

Analysis Batch: 90747

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 248.5 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-90743/3-A

Matrix: Solid

Analysis Batch: 90747

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 250.1 mg/Kg 100 90 - 110

Lab Sample ID: 880-48439-4 MS

Released to Imaging: 12/27/2024 11:25:58 AM

Matrix: Solid

Analysis Batch: 90747

Analysis Baton: 00747	Sample S	Sample	Spike	MS	MS				%Rec	
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	<5.05	U	253	254.2		mg/Kg		100	90 - 110	

Eurofins Midland

Prep Type: Soluble

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

20

Prep Type: Soluble

Client Sample ID: CS-4 (1.5')

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Analysis Batch: 90747

Lab Sample ID: 880-48439-4 MSD Client Sample ID: CS-4 (1.5') **Matrix: Solid Prep Type: Soluble**

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride <5.05 U 253 251.5 mg/Kg 99 90 - 110 20

Lab Sample ID: MB 880-90744/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 90753

мв мв Result Qualifier MDL Unit Dil Fac Analyte RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/13/24 23:20

Lab Sample ID: LCS 880-90744/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 90753

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 228.3 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-90744/3-A

Matrix: Solid

Analysis Batch: 90753

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD Limit D Limits 229.0 Chloride 250 92 90 - 110 20 mg/Kg

Lab Sample ID: 880-48439-11 MS Client Sample ID: SW-7 (0.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 90753

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <5.02 U 251 Chloride 229.5 mg/Kg 90 90 - 110

Lab Sample ID: 880-48439-11 MSD Client Sample ID: SW-7 (0.5')

Matrix: Solid

Analysis Batch: 90753

Sample Sample Spike MSD MSD %Rec **RPD** Added Result Qualifier RPD Limit Analyte Result Qualifier Unit D %Rec Limits <5.02 Chloride U 251 230.3 mg/Kg 90 90 - 110 20

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

GC VOA

Analysis Batch: 90765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Total/NA	Solid	8021B	90770
880-48439-2	CS-2 (0.5')	Total/NA	Solid	8021B	90770
880-48439-3	CS-3 (0.5')	Total/NA	Solid	8021B	90770
880-48439-4	CS-4 (1.5')	Total/NA	Solid	8021B	90770
880-48439-5	SW-1 (1.5')	Total/NA	Solid	8021B	90770
880-48439-6	SW-2 (1.5')	Total/NA	Solid	8021B	90770
880-48439-7	SW-3 (1.5')	Total/NA	Solid	8021B	90770
880-48439-8	SW-4 (1.5')	Total/NA	Solid	8021B	90770
880-48439-9	SW-5 (1.5')	Total/NA	Solid	8021B	90770
880-48439-10	SW-6 (1.5')	Total/NA	Solid	8021B	90770
880-48439-11	SW-7 (0.5')	Total/NA	Solid	8021B	90770
880-48439-12	SW-8 (0.5')	Total/NA	Solid	8021B	90770
880-48439-13	SW-9 (1.5')	Total/NA	Solid	8021B	90770
880-48439-14	SW-10 (1.5')	Total/NA	Solid	8021B	90770
880-48439-15	SW-11 (1.5')	Total/NA	Solid	8021B	90770
880-48439-16	SW-12 (1.5')	Total/NA	Solid	8021B	90770
MB 880-90770/5-A	Method Blank	Total/NA	Solid	8021B	90770
LCS 880-90770/1-A	Lab Control Sample	Total/NA	Solid	8021B	90770
LCSD 880-90770/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90770
880-48439-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	90770
880-48439-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	90770

Prep Batch: 90770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
880-48439-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-48439-2	CS-2 (0.5')	Total/NA	Solid	5035	
880-48439-3	CS-3 (0.5')	Total/NA	Solid	5035	
880-48439-4	CS-4 (1.5')	Total/NA	Solid	5035	
380-48439-5	SW-1 (1.5')	Total/NA	Solid	5035	
880-48439-6	SW-2 (1.5')	Total/NA	Solid	5035	
380-48439-7	SW-3 (1.5')	Total/NA	Solid	5035	
380-48439-8	SW-4 (1.5')	Total/NA	Solid	5035	
380-48439-9	SW-5 (1.5')	Total/NA	Solid	5035	
380-48439-10	SW-6 (1.5')	Total/NA	Solid	5035	
380-48439-11	SW-7 (0.5')	Total/NA	Solid	5035	
880-48439-12	SW-8 (0.5')	Total/NA	Solid	5035	
880-48439-13	SW-9 (1.5')	Total/NA	Solid	5035	
880-48439-14	SW-10 (1.5')	Total/NA	Solid	5035	
380-48439-15	SW-11 (1.5')	Total/NA	Solid	5035	
380-48439-16	SW-12 (1.5')	Total/NA	Solid	5035	
MB 880-90770/5-A	Method Blank	Total/NA	Solid	5035	
_CS 880-90770/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-90770/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48439-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
380-48439-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 90817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1 880-48439-2	CS-1 (1.5') CS-2 (0.5')	Total/NA Total/NA	Solid Solid	Total BTEX Total BTEX	
880-48439-3	CS-3 (0.5')	Total/NA	Solid	Total BTEX	

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 90817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-5	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-6	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-7	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-8	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-9	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-10	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-11	SW-7 (0.5')	Total/NA	Solid	Total BTEX	
880-48439-12	SW-8 (0.5')	Total/NA	Solid	Total BTEX	
880-48439-13	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-14	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-15	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-16	SW-12 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-2	CS-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-48439-3	CS-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-48439-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-5	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-6	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-7	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-8	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-90746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48439-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 90796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-9	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-10	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-11	SW-7 (0.5')	Total/NA	Solid	8015NM Prep	
880-48439-12	SW-8 (0.5')	Total/NA	Solid	8015NM Prep	
880-48439-13	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-14	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-15	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-16	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-90796/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90796/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48439-9 MS	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-48439-9 MSD	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	90746

Eurofins Midland

Page 27 of 41

3

5

7

9

10

12

A A

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 90802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-2	CS-2 (0.5')	Total/NA	Solid	8015B NM	90746
880-48439-3	CS-3 (0.5')	Total/NA	Solid	8015B NM	90746
880-48439-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	90746
880-48439-5	SW-1 (1.5')	Total/NA	Solid	8015B NM	90746
880-48439-6	SW-2 (1.5')	Total/NA	Solid	8015B NM	90746
880-48439-7	SW-3 (1.5')	Total/NA	Solid	8015B NM	90746
880-48439-8	SW-4 (1.5')	Total/NA	Solid	8015B NM	90746
MB 880-90746/1-A	Method Blank	Total/NA	Solid	8015B NM	90746
LCS 880-90746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90746
LCSD 880-90746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90746
880-48439-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	90746
880-48439-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	90746

Analysis Batch: 90804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-9	SW-5 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-10	SW-6 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-11	SW-7 (0.5')	Total/NA	Solid	8015B NM	90796
880-48439-12	SW-8 (0.5')	Total/NA	Solid	8015B NM	90796
880-48439-13	SW-9 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-14	SW-10 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-15	SW-11 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-16	SW-12 (1.5')	Total/NA	Solid	8015B NM	90796
MB 880-90796/1-A	Method Blank	Total/NA	Solid	8015B NM	90796
LCS 880-90796/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90796
LCSD 880-90796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90796
880-48439-9 MS	SW-5 (1.5')	Total/NA	Solid	8015B NM	90796
880-48439-9 MSD	SW-5 (1.5')	Total/NA	Solid	8015B NM	90796

Analysis Batch: 90892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-48439-2	CS-2 (0.5')	Total/NA	Solid	8015 NM	
880-48439-3	CS-3 (0.5')	Total/NA	Solid	8015 NM	
880-48439-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-48439-5	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-48439-6	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-48439-7	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-48439-8	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-48439-9	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-48439-10	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-48439-11	SW-7 (0.5')	Total/NA	Solid	8015 NM	
880-48439-12	SW-8 (0.5')	Total/NA	Solid	8015 NM	
880-48439-13	SW-9 (1.5')	Total/NA	Solid	8015 NM	
380-48439-14	SW-10 (1.5')	Total/NA	Solid	8015 NM	
380-48439-15	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-48439-16	SW-12 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

3

5

9

10

14

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 90743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-48439-2	CS-2 (0.5')	Soluble	Solid	DI Leach	
880-48439-3	CS-3 (0.5')	Soluble	Solid	DI Leach	
880-48439-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-48439-5	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-48439-6	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-48439-7	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-48439-8	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-48439-9	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-48439-10	SW-6 (1.5')	Soluble	Solid	DI Leach	
MB 880-90743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90743/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48439-4 MS	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-48439-4 MSD	CS-4 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 90744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-11	SW-7 (0.5')	Soluble	Solid	DI Leach	_
880-48439-12	SW-8 (0.5')	Soluble	Solid	DI Leach	
880-48439-13	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-48439-14	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-48439-15	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-48439-16	SW-12 (1.5')	Soluble	Solid	DI Leach	
MB 880-90744/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90744/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90744/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48439-11 MS	SW-7 (0.5')	Soluble	Solid	DI Leach	
880-48439-11 MSD	SW-7 (0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 90747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-1	CS-1 (1.5')	Soluble	Solid	300.0	90743
880-48439-2	CS-2 (0.5')	Soluble	Solid	300.0	90743
880-48439-3	CS-3 (0.5')	Soluble	Solid	300.0	90743
880-48439-4	CS-4 (1.5')	Soluble	Solid	300.0	90743
880-48439-5	SW-1 (1.5')	Soluble	Solid	300.0	90743
880-48439-6	SW-2 (1.5')	Soluble	Solid	300.0	90743
880-48439-7	SW-3 (1.5')	Soluble	Solid	300.0	90743
880-48439-8	SW-4 (1.5')	Soluble	Solid	300.0	90743
880-48439-9	SW-5 (1.5')	Soluble	Solid	300.0	90743
880-48439-10	SW-6 (1.5')	Soluble	Solid	300.0	90743
MB 880-90743/1-A	Method Blank	Soluble	Solid	300.0	90743
LCS 880-90743/2-A	Lab Control Sample	Soluble	Solid	300.0	90743
LCSD 880-90743/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90743
880-48439-4 MS	CS-4 (1.5')	Soluble	Solid	300.0	90743
880-48439-4 MSD	CS-4 (1.5')	Soluble	Solid	300.0	90743

Analysis Batch: 90753

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-11	SW-7 (0.5')	Soluble	Solid	300.0	90744

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 90753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48439-12	SW-8 (0.5')	Soluble	Solid	300.0	90744
880-48439-13	SW-9 (1.5')	Soluble	Solid	300.0	90744
880-48439-14	SW-10 (1.5')	Soluble	Solid	300.0	90744
880-48439-15	SW-11 (1.5')	Soluble	Solid	300.0	90744
880-48439-16	SW-12 (1.5')	Soluble	Solid	300.0	90744
MB 880-90744/1-A	Method Blank	Soluble	Solid	300.0	90744
LCS 880-90744/2-A	Lab Control Sample	Soluble	Solid	300.0	90744
LCSD 880-90744/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90744
880-48439-11 MS	SW-7 (0.5')	Soluble	Solid	300.0	90744
880-48439-11 MSD	SW-7 (0.5')	Soluble	Solid	300.0	90744

3

4

6

Ω

9

10

14

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48439-1

Matrix: Solid

Client Sample ID: CS-1 (1.5')
Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 16:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 11:33	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 11:17	CH	EET MID

Client Sample ID: CS-2 (0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-2

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.96 g 5 mL 90770 09/14/24 12:21 MNR EET MID Total/NA 8021B 5 mL 09/14/24 16:25 **EET MID** Analysis 1 5 mL 90765 MNR Total/NA Total BTEX 90817 09/14/24 16:25 MNR Analysis **EET MID** 1 Total/NA Analysis 8015 NM 90892 09/16/24 12:23 SM **EET MID** Total/NA 90746 09/13/24 15:59 EL Prep 8015NM Prep 10.03 g 10 mL **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 90802 09/16/24 12:23 TKC **EET MID** Soluble 09/13/24 15:37 Leach DI Leach 5.03 g 50 mL 90743 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 90747 09/14/24 11:26 СН **EET MID**

Client Sample ID: CS-3 (0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-3

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			4.99 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 16:46	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 12:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 11:35	CH	EET MID

Client Sample ID: CS-4 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

09/14/24 11:35	CH	EET MID					
Lab Sample ID: 880-48439-4							
		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			4.98 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 17:06	MNR	EET MID

Eurofins Midland

2

3

_

6

9

11

13

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48439-4

Matrix: Solid

Date Collected: 09/12/24 00:0	00
Date Received: 09/13/24 15:0	1

Client Sample ID: CS-4 (1.5')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 12:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 11:44	CH	EET MID

Client Sample ID: SW-1 (1.5') Lab Sample ID: 880-48439-5 Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 17:26	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 13:13	TKC	EET MID

Client Sample ID: SW-2 (1.5') Lab Sample ID: 880-48439-6 Date Collected: 09/12/24 00:00 **Matrix: Solid**

5.02 g

50 mL

50 mL

50 mL

90743

90747

09/13/24 15:37

09/14/24 12:10

SA

СН

Date Received: 09/13/24 15:01

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 17:47	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 13:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 12:19	CH	EET MID

Client Sample ID: SW-3 (1.5') Lab Sample ID: 880-48439-7

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

_	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 18:07	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:46	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	90746 90802	09/13/24 15:59 09/16/24 13:46	EL TKC	EET MID EET MID

Eurofins Midland

Matrix: Solid

EET MID

EET MID

Released to Imaging: 12/27/2024 11:25:58 AM

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: SW-3 (1.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 12:46	CH	EET MID

Client Sample ID: SW-4 (1.5') Lab Sample ID: 880-48439-8

Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 18:28	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	90746	09/13/24 15:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90802	09/16/24 14:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 12:54	CH	EET MID

Client Sample ID: SW-5 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-9

Lab Sample ID: 880-48439-10

Matrix: Solid

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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 18:48	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 11:33	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 13:03	CH	EET MID

Client Sample ID: SW-6 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

-	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 19:09	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 12:23	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	90743	09/13/24 15:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90747	09/14/24 13:12	CH	EET MID

Client: Carmona Resources

Date Received: 09/13/24 15:01

Project/Site: Acadia Fed Com 1H (8.20.24)

Leach

Analysis

DI Leach

300.0

Job ID: 880-48439-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48439-11 Client Sample ID: SW-7 (0.5') Date Collected: 09/12/24 00:00

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 5035 Total/NA Prep 4.97 g 5 mL 90770 09/14/24 12:21 MNR **EET MID** 8021B Total/NA Analysis 1 5 mL 5 mL 90765 09/14/24 20:59 MNR **EET MID** Total/NA Analysis Total BTEX 90817 09/14/24 20:59 MNR **EET MID** Total/NA 8015 NM 90892 **EET MID** Analysis 1 09/16/24 12:40 SM Total/NA 8015NM Prep 90796 09/16/24 08:44 TKC EET MID Prep 10.05 g 10 mL Total/NA Analysis 8015B NM 1 uL 1 uL 90804 09/16/24 12:40 TKC **EET MID**

Client Sample ID: SW-8 (0.5') Lab Sample ID: 880-48439-12

Date Collected: 09/12/24 00:00 **Matrix: Solid**

4.98 g

50 mL

50 mL

50 mL

90744

90753

09/13/24 15:46

09/13/24 23:39

SA

СН

Date Received: 09/13/24 15:01

Soluble

Soluble

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 21:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 21:19	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 12:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	90744	09/13/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90753	09/13/24 23:59	CH	EET MID

Lab Sample ID: 880-48439-13 Client Sample ID: SW-9 (1.5')

Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 21:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 21:40	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 13:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	90744	09/13/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90753	09/14/24 00:05	CH	EET MID

Lab Sample ID: 880-48439-14 Client Sample ID: SW-10 (1.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 22:00	MNR	EET MID
Total/NA	Analysis	Total BTFX		1			90817	09/14/24 22:00	MNR	FFT MID

Eurofins Midland

Page 34 of 41

Matrix: Solid

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

Client Sample ID: SW-10 (1.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-14

Matrix: Solid

Matrix: Solid

EET MID

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 13:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	90744	09/13/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90753	09/14/24 00:12	CH	EET MID

Client Sample ID: SW-11 (1.5') Lab Sample ID: 880-48439-15

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 22:21	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 13:46	TKC	EET MID
Soluble	Leach	DI Leach			4.95 a	50 mL	90744	09/13/24 15:46	SA	EET MID

Client Sample ID: SW-12 (1.5') Lab Sample ID: 880-48439-16

50 mL

50 mL

90753

09/14/24 00:18

СН

1

Date Collected: 09/12/24 00:00

Analysis

300.0

Date Received: 09/13/24 15:01

Soluble

	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	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 22:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 22:41	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	90796	09/16/24 08:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90804	09/16/24 14:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90744	09/13/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90753	09/14/24 00:38	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: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

SDG: Eddy Co, NM

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

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Acadia Fed Com 1H (8.20.24)

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: 880-48439-1

SDG: Eddy Co, NM

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID

EET MID

EET MID

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

Sample Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1 SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48439-1	CS-1 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-2	CS-2 (0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-3	CS-3 (0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-4	CS-4 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-5	SW-1 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-6	SW-2 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-7	SW-3 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-8	SW-4 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-9	SW-5 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-10	SW-6 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-11	SW-7 (0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-12	SW-8 (0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-13	SW-9 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-14	SW-10 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-15	SW-11 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48439-16	SW-12 (1.5')	Solid	09/12/24 00:00	09/13/24 15:01

3

6

0

9

10

12

4 /

9/16/2024

880-48439 Chain of Custody	Page1 of2	Comments	Brownfields □RC □perfund □		UST DRRP DLevel IV	□ Other:	Preservative Codes	None: NO DI Water: H ₂ O	-		H₂S04: H₂ NaOH: Na	H₃PO₄: HP	NaHSO4: NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		Sample Comments												Date/Time	Tuge.
V 880-48439 CI		Work Order Comments	Program: UST/PST PRP Irown	State of Project:	Reporting: Level III ST/UST	Deliverables: EDD ☐ ADaPT ☐	QUEST																						Received by: (Signature)	
							ANALYSIS REQUEST																					Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	Re	
Chain of Custody		Carmona Resources				sources com			(ОЯМ	I + C) H D H	K 80;	າອ) ເ	M2108	Н	ąТ	×	×	×	×	×	×	× ×	×	× ×	×	/ Cmoehring@cam	Date/Time	13/24
hain			24			armonare		Pres. Code			sıs	mete	ara	d T		╁	, # of P Cont	1 d	1 1	1 d	1	1 d	1	p 1	1	1	p 1	Moehring		1/60
0		Bill to: (if different)	Company Name	Address:	City, State ZIP:	Email: mcarmona@carmonaresources com	Turn Around	✓ Rush	24 Hrs			Yes No	2	2-	.		Water Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	and Conner		
						Email:	Turn	☐ Routine	Due Date:			Wet Ice:	Ö	or.	eading: perature:		Soil	×	×	×	×	×	×	×	×	×	×	iresources.com		
							.20.2024)					Yes No	Thermometer ID:	Correction Factor	Temperature Reading: Corrected Temperature:		Time											na@carmona	y: (Signature)	
		ring	ources	t Ste 500	9701		Acadia Fed Com 1H (8.20.2024)	2501	Eddy Co, NM	JR		4	SS	No MIA	No N/A		Date	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	9/12/2024	nona / Mcarmo	Relinquished by: (Signature)	m
		Conner Moehring	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-813-6823	Acadia								ıls: Yes		ıtification	1.5')	0.5')	0.5')	1.5')	1.5')	1.5')	1.5')	1.5')	1.5')	1.5')	I to Mike Carr		Mode
		Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number.	Project Location	Sampler's Name:	PO #:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals: Total Containers:		Sample Identification	CS-1 (1.5')	CS-2 (0.5')	CS-3 (0.5')	CS-4 (1.5')	SW-1 (1.5')	SW-2 (1.5')	SW-3 (1.5')	SW-4 (1.5')	SW-5 (1.5')	SW-6 (1.5')	Comments: Emai	2	mag)

n of Custod

Work Order No:

											Page2	_ of _ 2
Project Manager: C	Conner Moehring			Bill to: (if different)		Carmona	Carmona Resources	8		Work Orde	Work Order Comments	
	Carmona Resources			Company Name:					Program: UST/PST	PRP	☐rownfields ☐RC	perfund
Address: 3	310 W Wall St Ste 500			Address:					State of Project:			
e ZIP:	Midland, TX 79701			City, State ZIP:			-		Reporting:Level II Level III ST/UST		T/UST DRRP	Level IV
Phone: 4:	432-813-6823		Email:	Email: mcarmona@carmonaresources.com	ırmonare	ources c	E C		Deliverables: EDD		ADaPT Other.	
Project Name:	Acadia Fed Com 1H 98.20.2024)	18.20.2024)	Turn	Turn Around				ANALYSIS	ANALYSIS REQUEST		Preserva	Preservative Codes
Project Number.	2501		☐ Routine	✓ Rush	Pres. Code						None: NO	DI Water: H ₂ O
Project Location	Eddy Co, NM	Σ.	Due Date:	24 Hrs	all and						Cool: Cool	MeOH: Me
Sampler's Name:	光					ЮЫ					HCL: HC	HNO ₃ : HN
PO#:					s.	W + 0					H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	T Temp Blank:	Yes No	Wet Ice:	Yes No	nete	18	-				Н₃РО₄: НР	
Received Intact:	Yes No	Thermometer ID:):		ıran	-					NaHSO4: NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	or:		ed .	X31 RD	irolr				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	sading:			_					Zn Acetate+NaOH: Zn	JH: Zn
Total Containers:		Corrected Temperature	verature:			108	5				NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	fication Date	Time	Soil	Water Comp	# of Cont	HqT					Sample	Sample Comments
SW-7 (0.5')	5') 9/12/2024		×	Comp	-	×	×					
SW-8 (0.5')	5') 9/12/2024		×	Comp	-	×	×				_	
SW-9 (1.5')	5') 9/12/2024		×	Comp	-	×	×					
SW-10 (1.5')	.5') 9/12/2024		×	Comp	-	×	×					
SW-11 (1.5')			×	Comp	-	×	×					
SW-12 (1.5')	.5') 9/12/2024		×	Comp	-	×	×					
Comments: Email t	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	10na@carmona	resources.com	and Conner N	loehring	/ Cmoehi	ing@ca	monaresources.com				
	Relinquished	Relinquished by: (Signature)				Date/Time	0	Æ	Received by: (Bignature)	e)		Date/Time
(sme	Modern				1/20	13/24						
	0					05			A)			

Page 40 of 41

9/16/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48439-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 48439 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 9/16/2024 5:26:52 PM

JOB DESCRIPTION

Acadia fed Com 1H 98.20.2024) Eddy Co, NM

JOB NUMBER

880-48431-1

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 9/16/2024 5:26:52 PM

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

Client: Carmona Resources Project/Site: Acadia fed Com 1H 98.20.2024) Laboratory Job ID: 880-48431-1 SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

2

3

4

6

8

10

11

13

14

Definitions/Glossary

Client: Carmona Resources Job ID: 880-48431-1 Project/Site: Acadia fed Com 1H 98.20.2024)

SDG: Eddy Co, NM

Qualifiers

		_	-
CC	1/	റ	Λ
GC	·v	v	м

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.

Ovalifian Daganintian

GC Semi VOA

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

HPLC/IC

O......

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

Glossary

MDA

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"

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

NC Not Calculated

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

Minimum Detectable Activity (Radiochemistry)

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

PRES Presumptive **Quality Control** QC

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)

Too Numerous To Count TNTC

Job ID: 880-48431-1

Case Narrative

Client: Carmona Resources
Project: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1 Eurofins Midland

Job Narrative 880-48431-1

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 9/13/2024 3:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-48431-1), H-3 (0-0.5') (880-48431-2) and H-5 (0-0.5') (880-48431-3).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-90772 and analytical batch 880-90765 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90770 and 880-90772 and analytical batch 880-90765 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-5 (0-0.5') (880-48431-3). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90765 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-90765/33).

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 880-90723 and analytical batch 880-90830 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-0.5') (880-48431-1) and (880-48403-A-13-B). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-90830 exhibited % difference of > 20% for the following analyte(s)1-Chloroctane. These results are within the acceptance limits but exceed the performance criteria.

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 and precision for preparation batch 880-90740 and analytical batch 880-90754 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Eurofins Midland

3

4

5

10

12

13

14

Case Narrative

Client: Carmona Resources Job ID: 880-48431-1

Project: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1 (Continued)

Eurofins Midland

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

4

3

4

5

6

8

9

10

12

13

114

Client Sample Results

Client: Carmona Resources

Job ID: 880-48431-1 Project/Site: Acadia fed Com 1H 98.20.2024) SDG: Eddy Co, NM

Lab Sample ID: 880-48431-1

Client Sample ID: H-1 (0-0.5') Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/14/24 12:46	09/15/24 09:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				09/14/24 12:46	09/15/24 09:57	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/14/24 12:46	09/15/24 09:57	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	П	0.00397		mg/Kg			09/15/24 09:57	

Method: SW846 8015 NM - Di	iesel Range Organics (DRO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49 8 U	49.8				09/16/24 13:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/13/24 11:28	09/16/24 13:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/13/24 11:28	09/16/24 13:38	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 11:28	09/16/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				09/13/24 11:28	09/16/24 13:38	1
o-Terphenyl	61	S1-	70 - 130				09/13/24 11:28	09/16/24 13:38	1

Method: EPA 300.0 - Anions, Ion Cl	nromatograp	hy - Soluble						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.30	F1	4.96	mg/Kg			09/14/24 10:01	1

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-48431-2 Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

Released to Imaging: 12/27/2024 11:25:58 AM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:46	09/15/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				09/14/24 12:46	09/15/24 10:17	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/14/24 12:46	09/15/24 10:17	1

Client Sample Results

Client: Carmona Resources

Job ID: 880-48431-1 Project/Site: Acadia fed Com 1H 98.20.2024) SDG: Eddy Co, NM

Client Sample ID: H-3 (0-0.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48431-2

09/14/24 10:21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/15/24 10:17	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	<50.0	U	50.0		mg/Kg			09/16/24 13:53	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 13:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 13:53	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				09/13/24 11:28	09/16/24 13:53	1
o-Terphenyl	77		70 - 130				09/13/24 11:28	09/16/24 13:53	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	a						
metriou. Li A 300.0 - Allions, ion		Qualifier	RL RL		Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: H-5 (0-0.5') Lab Sample ID: 880-48431-3 Date Collected: 09/12/24 00:00 **Matrix: Solid**

4.98

mg/Kg

<4.98 U

Date Received: 09/13/24 15:01

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 10:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/14/24 12:46	09/15/24 10:38	1
	445		70 400				09/14/24 12:46	09/15/24 10:38	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte			70 ₋ 130	MDL	Unit	D			
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation Qualifier		MDL	Unit	D	09/14/24 12:46 Prepared	09/13/24 10.36 Analyzed	
- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	- Total BTEX Cald	Qualifier		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 <0.00400 esel Range Organ	Qualifier U	RL 0.00400		mg/Kg	<u> </u>	Prepared	Analyzed 09/15/24 10:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00400 ———————————————————————————————	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00400		mg/Kg	<u> </u>	Prepared	Analyzed 09/15/24 10:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 GC) RL 49.9		mg/Kg	<u> </u>	Prepared	Analyzed 09/15/24 10:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 GC) RL 49.9		mg/Kg Unit mg/Kg	<u> </u>	Prepared	Analyzed 09/15/24 10:38 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 <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00400 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/15/24 10:38 Analyzed 09/16/24 14:08	Dil Fac

Eurofins Midland

Released to Imaging: 12/27/2024 11:25:58 AM

Client Sample Results

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

Client Sample ID: H-5 (0-0.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01 Lab Sample ID: 880-48431-3

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/24 11:28	09/16/24 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				09/13/24 11:28	09/16/24 14:08	1
o-Terphenyl	76		70 - 130				09/13/24 11:28	09/16/24 14:08	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.23		4.96		mg/Kg			09/14/24 10:27	1

5

7

8

9

11

13

14

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48431-1 Project/Site: Acadia fed Com 1H 98.20.2024) SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48431-1	H-1 (0-0.5')	125	111	
880-48431-2	H-3 (0-0.5')	121	109	
880-48431-3	H-5 (0-0.5')	132 S1+	115	
880-48437-A-1-D MS	Matrix Spike	98	95	
880-48437-A-1-E MSD	Matrix Spike Duplicate	114	94	
LCS 880-90772/1-A	Lab Control Sample	119	95	
LCSD 880-90772/2-A	Lab Control Sample Dup	113	92	
MB 880-90770/5-A	Method Blank	166 S1+	110	
MB 880-90772/5-A	Method Blank	228 S1+	137 S1+	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48403-A-13-C MS	Matrix Spike	90	88	
880-48403-A-13-D MSD	Matrix Spike Duplicate	90	87	
880-48431-1	H-1 (0-0.5')	59 S1-	61 S1-	
880-48431-2	H-3 (0-0.5')	76	77	
880-48431-3	H-5 (0-0.5')	73	76	
LCS 880-90723/2-A	Lab Control Sample	120	118	
LCSD 880-90723/3-A	Lab Control Sample Dup	117	115	
MB 880-90723/1-A	Method Blank	61 S1-	67 S1-	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Eurofins Midland

Released to Imaging: 12/27/2024 11:25:58 AM

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90770/5-A

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90770

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	1

MB MB

%Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 166 S1+ 110 70 - 130 1,4-Difluorobenzene (Surr)

Prepared Dil Fac Analyzed 09/14/24 12:21 09/14/24 15:36 09/14/24 12:21 09/14/24 15:36

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90772

Lab Sample ID: MB 880-90772/5-A

Matrix: Solid

Analysis Batch: 90765

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 03:12	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130	09/14/24 12:46	09/15/24 03:12	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	09/14/24 12:46	09/15/24 03:12	1

Lab Sample ID: LCS 880-90772/1-A

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 90772

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09200		mg/Kg		92	70 - 130	
Toluene	0.100	0.08925		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.08913		mg/Kg		89	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-90772/2-A

Matrix: Solid

Analysis Batch: 90765

Client Sample	ID:	Lab	Control	Sample	Dup
			Drop T	mo: Tota	I/NI A

Prep Type: Total/NA

Prep Batch: 90772

	Бріке	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09002	mg/Kg		90	70 - 130	2	35

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-90772/2-A **Matrix: Solid**

Analysis Batch: 90765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 90772

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08854		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	5	35
o-Xylene	0.100	0.09009		mg/Kg		90	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-48437-A-1-D MS

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90772

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00198	U	0.101	0.07620		mg/Kg		76	70 - 130
Toluene	<0.00198	U	0.101	0.07214		mg/Kg		72	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.07232		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.1293	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00198	U F1	0.101	0.06060	F1	mg/Kg		60	70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: 880-48437-A-1-E MSD

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90772

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.0998	0.08179		mg/Kg		82	70 - 130	7	35
Toluene	<0.00198	U	0.0998	0.07570		mg/Kg		76	70 - 130	5	35
Ethylbenzene	<0.00198	U	0.0998	0.08515		mg/Kg		85	70 - 130	16	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1691		mg/Kg		85	70 - 130	27	35
o-Xylene	<0.00198	U F1	0.0998	0.07682		mg/Kg		77	70 - 130	24	35

MSD MSD

Surrogate	76Recovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-90723/1-A

Matrix: Solid

Analysis Batch: 90830

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

Prep Batch: 90723

мв мв

Gasoline Range Organics

Result Qualifier <50.0 U

50.0

MDL Unit mg/Kg

Prepared 09/13/24 11:28

09/16/24 09:52

(GRO)-C6-C10

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-90723/1-A

Lab Sample ID: LCS 880-90723/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 90830

Analysis Batch: 90830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90723

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130	09/13/24 11:28	09/16/24 09:52	1
o-Terphenyl	67	S1-	70 - 130	09/13/24 11:28	09/16/24 09:52	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 982.7 98 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 990.5 mg/Kg 99 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-90723/3-A

Matrix: Solid Analysis Batch: 90830 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 90723

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	989.9		mg/Kg		99	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	966.1		mg/Kg		97	70 - 130	2	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 117 70 - 130 o-Terphenyl 115 70 - 130

Lab Sample ID: 880-48403-A-13-C MS

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 90723

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	712.9		mg/Kg		72	70 - 130	
Diesel Range Organics (Over	54.1		994	762.8		mg/Kg		71	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-48403-A-13-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 90830

Prep Type: Total/NA Prep Batch: 90723

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Sample Sample Spike MSD MSD RPD Result Qualifier RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.6 U 994 717.0 mg/Kg 72 70 - 130 20 (GRO)-C6-C10 994 759.8 Diesel Range Organics (Over mg/Kg 71 70 - 130 54.1 0

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90740/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 90754

мв мв

Analyte	Result Qualifier	r RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			09/14/24 09:42	1

Lab Sample ID: LCS 880-90740/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 90754

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	225.2		mg/Kg		90	90 - 110	

Lab Sample ID: LCSD 880-90740/3-A

Matrix: Solid

Analysis Batch: 90754

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	225.6		mg/Kg		90	90 - 110	0	20	

Lab Sample ID: 880-48431-1 MS **Client Sample ID: H-1 (0-0.5') Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 90754

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	6.30	F1	248	228.0	F1	ma/Ka	_	89	90 110	

Lab Sample ID: 880-48431-1 MSD **Client Sample ID: H-1 (0-0.5')**

Matrix: Solid

Analysis Batch: 90754

Allalysis Datoll. 507 04											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	6.30	F1	248	228.8		ma/Ka		90	90 - 110		20

Eurofins Midland

Prep Type: Soluble

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1 SDG: Eddy Co, NM

_

GC VOA

Analysis Batch: 90765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	8021B	90772
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	8021B	90772
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	8021B	90772
MB 880-90770/5-A	Method Blank	Total/NA	Solid	8021B	90770
MB 880-90772/5-A	Method Blank	Total/NA	Solid	8021B	90772
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	8021B	90772
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90772
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	90772
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90772

Prep Batch: 90770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-90770/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 90772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	5035	
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-90772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 90822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	· · · · · · · · · · · · · · · · · · ·
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	90723
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	8015B NM	90723
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	8015B NM	90723
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015B NM	90723
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90723

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 90830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90723
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015B NM	90723
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90723

Analysis Batch: 90899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-48431-2	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-48431-3	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 90740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-48431-2	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-48431-3	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-90740/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48431-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-48431-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 90754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48431-1	H-1 (0-0.5')	Soluble	Solid	300.0	90740
880-48431-2	H-3 (0-0.5')	Soluble	Solid	300.0	90740
880-48431-3	H-5 (0-0.5')	Soluble	Solid	300.0	90740
MB 880-90740/1-A	Method Blank	Soluble	Solid	300.0	90740
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	300.0	90740
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90740
880-48431-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	90740
880-48431-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	90740

Eurofins Midland

2

5

7

q

10

4.0

13

Job ID: 880-48431-1

SDG: Eddy Co, NM

Client Sample ID: H-1 (0-0.5')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48431-1

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			5.04 g	5 mL	90772	09/14/24 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/15/24 09:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90822	09/15/24 09:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90899	09/16/24 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 13:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 10:01	CH	EET MID

Client Sample ID: H-3 (0-0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48431-2

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	90772	09/14/24 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/15/24 10:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90822	09/15/24 10:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90899	09/16/24 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 13:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 10:21	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48431-3

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	90772	09/14/24 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/15/24 10:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90822	09/15/24 10:38	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90899	09/16/24 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 14:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 10:27	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: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1 SDG: Eddy Co, NM

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 oes not offer certification.	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	
Total BTEX		Solid	Total BTEX	

3

4

5

7

9

10

Method Summary

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1

SDG: Eddy Co, NM

JУ	CO,	IAIAI	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48431-1	H-1 (0-0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48431-2	H-3 (0-0.5')	Solid	09/12/24 00:00	09/13/24 15:01
880-48431-3	H-5 (0-0.5')	Solid	09/12/24 00:00	09/13/24 15:01

	Work Order Comments	□ rownfields □ RC □ perfund □		LIST/UST L	ADaPT Other:	Preservative Codes	None: NO DI Water: H ₂ O	-		H ₂ SO ₄ : H ₂ NaOH: Na	H₃PO4: HP	NaHSO ₄ : NABIS	Na20203: Na003	Another Control of Sabo	Machine Age. 651 C	Sample Comments								Date/Time		
88	Work	Program: UST/PST PRP Irownfields RRC	State of Project:	Reporting:Level II Level III	Deliverables: EDD	QUEST																		Received by: (Bignathre)		
						ANALYSIS REQUEST																	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	(Re		
	Carmona Resources				sources com			((оям	N + O	aa .	х 803 + ОЯ ride	ອ)ເ	NSI)8 F	łат	×	×	×				/ Cmoehring@car	Date/Time	13/24	
		äi			carmonares		Pres. Code			ers	a a a)araı	<u>.</u>	T		of # of pp. Cont	-	1	-				Moehring		04/1.	* "
	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcarmona@carmonaresources.com	Turn Around	✓ Rush	24 Hrs			(Yes,)No	M), O	1		Water Comp	O	O	O				n and Conner			
					Email:	Turn	☐ Routine	Due Date:			Wet Ice:		or.	eading:	erature:	Soil	×	×	×				resources.con			
						.20.2024)					(Yes No	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature	Time							na@carmona	y: (Signature)		
	ring	sources	t Ste 500	1026	3	Acadia Fed Com 1H 98.20.2024)	2501	Eddy Co, NM	A.		Temp Blank:	No	ž.	Yes No WA)	Date	9/12/2024	9/12/2024	9/12/2024				mona / Mcarmo	Relinquished by: (Signature)	my	K
	Conner Moehring	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-813-6823	Acadia								+		ntification	0.5')	0.5')	0.5')				il to Mike Can		ma	
	Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	H-1 (0-0.5')	H-3 (0-0.5')	H-4 (0-0.5')				Comments: Ema		mes,	

Page 21 of 22

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48431-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 48431 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	N/A	

7

0

10

12

13

14

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/16/2024 5:26:08 PM

JOB DESCRIPTION

Acadia Fed Com 1H 98.20.2024) Eddy Co, NM

JOB NUMBER

880-48430-1

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 9/16/2024 5:26:08 PM

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

Client: Carmona Resources Project/Site: Acadia Fed Com 1H 98.20.2024) Laboratory Job ID: 880-48430-1 SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
	18
Receipt Checklists	19

Definitions/Glossary

Job ID: 880-48430-1 Client: Carmona Resources Project/Site: Acadia Fed Com 1H 98.20.2024)

SDG: Eddy Co, NM

Qualifiers

GC 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.

GC Semi VOA

Qualifier **Qualifier Description**

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

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

Job ID: 880-48430-1

Case Narrative

Client: Carmona Resources

Project: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1 Eurofins Midland

Job Narrative 880-48430-1

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 9/13/2024 3:01 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 1.0°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Black River Service Pit (880-48430-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-90772 and analytical batch 880-90765 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90770 and 880-90772 and analytical batch 880-90765 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90765 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-90765/33).

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 880-90723 and analytical batch 880-90830 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-90830 exhibited % difference of > 20% for the following analyte(s)1-Chlorooctane. These results are within the acceptance limits but exceed the performance criteria.

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

9

3

4

6

R

9

11

13

Client Sample Results

Client: Carmona Resources

o-Terphenyl

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

Lab Sample ID: 880-48430-1

Client Sample ID: Black River Service Pit Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Matrix: Solid

4-Bromofluorobenzene (Surr) 117 70 - 130 09/14/24 12:46 09/15/24 11:39 1,4-Difluorobenzene (Surr) 101 70 - 130 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Ethylbenzene	Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	
m-Xylene & p-Xylene	Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	
o-Xylene	Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	
Xylenes, Total \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/14/24 12:46	09/15/24 11:39	
Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 117 70 - 130 09/14/24 12:46 09/15/24 11:39 1,4-Difluorobenzene (Surr) 101 70 - 130 09/14/24 12:46 09/15/24 11:39 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00403	o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	
4-Bromofluorobenzene (Surr) 117 70 - 130 09/14/24 12:46 09/15/24 11:39 1,4-Difluorobenzene (Surr) 101 70 - 130 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39 09/14/24 12:46 09/15/24 11:39	Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/24 12:46	09/15/24 11:39	
Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX < 0.00403	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00403	4-Bromofluorobenzene (Surr)	117		70 - 130				09/14/24 12:46	09/15/24 11:39	
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX < 0.00403	1,4-Difluorobenzene (Surr)	101		70 - 130				09/14/24 12:46	09/15/24 11:39	
Total BTEX	Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit DM/Kg DM/Kg DM/Kg Total TPH < 49.9 U 49.9 D Prepared O9/16/24 13:23 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Result Qualifier RL MDL unit mg/Kg D Prepared 09/16/24 13:23 Total TPH <49.9	Total BTEX	<0.00403	U	0.00403		mg/Kg			09/15/24 11:39	
Total TPH	Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 13:23	
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed										
		iesel Range Orga	nics (DRO)	(GC)						

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		09/13/24 11:28	09/16/24 13:23	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		09/13/24 11:28	09/16/24 13:23	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/13/24 11:28	09/16/24 13:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130			09/13/24 11:28	09/16/24 13:23	1

	1		

Method: EPA 300.0 - Anions, Ion C	hromatography -	Soluble						
Analyte	Result Quali	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292	4.98		mg/Kg			09/14/24 12:56	1

70 - 130

Surrogate Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48430-1	Black River Service Pit	117	101	
880-48437-A-1-D MS	Matrix Spike	98	95	
880-48437-A-1-E MSD	Matrix Spike Duplicate	114	94	
LCS 880-90772/1-A	Lab Control Sample	119	95	
LCSD 880-90772/2-A	Lab Control Sample Dup	113	92	
MB 880-90770/5-A	Method Blank	166 S1+	110	
MB 880-90772/5-A	Method Blank	228 S1+	137 S1+	

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 Rec
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48403-A-13-C MS	Matrix Spike	90	88	
880-48403-A-13-D MSD	Matrix Spike Duplicate	90	87	
880-48430-1	Black River Service Pit	71	77	
LCS 880-90723/2-A	Lab Control Sample	120	118	
LCSD 880-90723/3-A	Lab Control Sample Dup	117	115	
MB 880-90723/1-A	Method Blank	61 S1-	67 S1-	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-48430-1 Project/Site: Acadia Fed Com 1H 98.20.2024) SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90770/5-A

Analysis Batch: 90765

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90770

1

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	09/14/24 12:21	09/14/24 15:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/14/24 12:21	09/14/24 15:36	1

Lab Sample ID: MB 880-90772/5-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90772

Analysis Batch: 90765

	МВ	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1	
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 03:12	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1	
Xvlenes, Total	< 0.00400	U	0.00400		ma/Ka		09/14/24 12:46	09/15/24 03:12	1	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130	09/14/24 12:46	09/15/24 03:12	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	09/14/24 12:46	09/15/24 03:12	1

Lab Sample ID: LCS 880-90772/1-A

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 90772

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09200 mg/Kg 92 70 - 130 Toluene 0.100 0.08925 mg/Kg 89 70 - 130 Ethylbenzene 0.100 0.1049 mg/Kg 105 70 - 130 0.200 102 m-Xylene & p-Xylene 0.2050 mg/Kg 70 - 130 0.100 0.08913 70 - 130 o-Xylene mg/Kg 89

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1.4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-90772/2-A

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Lab	Control Sample Dup
	Date of Taxable Taxable I/NIA

Prep Type: Total/NA

Prep Batch: 90772

	Бріке	LCSD LCS				%Rec		KPD	
Analyte	Added	Result Qual	lifier Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09002	mg/Kg		90	70 - 130	2	35	

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-90772/2-A

Matrix: Solid Analysis Batch: 90765 **Client Sample ID: Lab Control Sample Dup**

Prep Type: Total/NA Prep Batch: 90772

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08854		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	5	35
o-Xylene	0.100	0.09009		mg/Kg		90	70 - 130	1	35
Ethylbenzene m-Xylene & p-Xylene	0.100 0.200	0.1053 0.1942		mg/Kg mg/Kg		105 97	70 - 130 70 - 130	1 0 5 1	3

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-48437-A-1-D MS

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90772

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.101	0.07620		mg/Kg		76	70 - 130	
Toluene	<0.00198	U	0.101	0.07214		mg/Kg		72	70 - 130	
Ethylbenzene	<0.00198	U	0.101	0.07232		mg/Kg		72	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.1293	F1	mg/Kg		64	70 - 130	
o-Xylene	<0.00198	U F1	0.101	0.06060	F1	mg/Kg		60	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: 880-48437-A-1-E MSD

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90772

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.0998	0.08179	-	mg/Kg		82	70 - 130	7	35
Toluene	<0.00198	U	0.0998	0.07570		mg/Kg		76	70 - 130	5	35
Ethylbenzene	<0.00198	U	0.0998	0.08515		mg/Kg		85	70 - 130	16	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1691		mg/Kg		85	70 - 130	27	35
o-Xylene	<0.00198	U F1	0.0998	0.07682		mg/Kg		77	70 - 130	24	35

MSD MSD

мв мв Result Qualifier

<50.0 U

Surrogate	76Recovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-90723/1-A

Matrix: Solid

Analysis Batch: 90830

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

Prepared

09/13/24 11:28

Prep Batch: 90723

09/16/24 09:52

Gasoline Range Organics (GRO)-C6-C10

Eurofins Midland

Page 9 of 19

50.0

MDL Unit

mg/Kg

9/16/2024

Released to Imaging: 12/27/2024 11:25:58 AM

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-90723/1-A

Lab Sample ID: LCS 880-90723/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 90830

Analysis Batch: 90830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90723

	IND								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepai	red A	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130	09/13/24	11:28 09/	16/24 09:52	1
o-Terphenyl	67	S1-	70 - 130	09/13/24	11:28 09/	16/24 09:52	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 982.7 98 70 - 130 mg/Kg (GRO)-C6-C10 1000 990.5 Diesel Range Organics (Over mg/Kg 99 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-90723/3-A

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90723

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	989.9		mg/Kg		99	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	966.1		mg/Kg		97	70 - 130	2	20	
C10-C28)										

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 117 70 - 130 o-Terphenyl 115 70 - 130

Lab Sample ID: 880-48403-A-13-C MS

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90723

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.6 U 994 712.9 72 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 994 762.8 Diesel Range Organics (Over 54.1 mg/Kg 71 70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-48403-A-13-D MSD

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90723

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.6	U	994	717.0		mg/Kg		72	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	54.1		994	759.8		mg/Kg		71	70 - 130	0	20
C10 C28)											

C10-C28)

MSD MSD

Surrogate	%Recovery 0	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90740/1-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Method Blank **Prep Type: Soluble**

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

мв мв

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			09/14/24 09:42	1

Lab Sample ID: LCS 880-90740/2-A

Matrix: Solid

Analysis Batch: 90754

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	225.2		mg/Kg	_	90	90 - 110	

Lab Sample ID: LCSD 880-90740/3-A

Matrix: Solid

Analysis Batch: 90754

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	225.6		ma/Ka		90	90 - 110		20

Lab Sample ID: 880-48435-A-4-D MS

Matrix: Solid

Analysis Batch: 90754

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	7 91		249	243 6		ma/Ka		95	90 - 110	

Lab Sample ID: 880-48435-A-4-E MSD

Matrix: Solid

Analysis Batch: 90754

Alialysis Datcil. 30134											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	7.91		249	244.1		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 90765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Total/NA	Solid	8021B	90772
MB 880-90770/5-A	Method Blank	Total/NA	Solid	8021B	90770
MB 880-90772/5-A	Method Blank	Total/NA	Solid	8021B	90772
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	8021B	90772
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90772
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	90772
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90772

Prep Batch: 90770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-90770/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 90772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Total/NA	Solid	5035	
MB 880-90772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 90825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90723

Lab Sample ID 880-48430-1	Client Sample ID Black River Service Pit	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Total/NA	Solid	8015B NM	90723
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015B NM	90723
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90723
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90723
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015B NM	90723
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90723

Analysis Batch: 90898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1 SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 90740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Soluble	Solid	DI Leach	
MB 880-90740/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48435-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-48435-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 90754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	Soluble	Solid	300.0	90740
MB 880-90740/1-A	Method Blank	Soluble	Solid	300.0	90740
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	300.0	90740
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90740
880-48435-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	90740
880-48435-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	90740

__

4

6

8

9

10

10

13

Lab Chronicle

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

Client Sample ID: Black River Service Pit

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01 Lab Sample ID: 880-48430-1

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			4.96 g	5 mL	90772	09/14/24 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/15/24 11:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90825	09/15/24 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90898	09/16/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 13:23	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 12:56	CH	EET MID

Laboratory References:

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

Eurofins Midland

2

Δ

7

_

10

12

13

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48430-1

Project/Site: Acadia Fed Com 1H 98.20.2024)

SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Progra	m	Identification Number	Expiration Date
Texas	NELAF)	T104704400	06-30-25
The following analytes	are included in this report, but	the laboratory is not certif	fied by the governing authority. This list	t mav include analytes
for which the agency d	oes not offer certification.	•	, , ,	· · · · · · · · · · · · · · · · · · ·
for which the agency d Analysis Method	pes not offer certification. Prep Method	Matrix	Analyte	,
0 ,		Matrix Solid	Analyte Total TPH	

5

7

10

12

4 /

Method Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1

SDG: Eddy Co, NM

Lab Sample ID Client Sample ID Matrix Collected Received 880-48430-1 Black River Service Pit Solid 09/12/24 00:00 09/13/24 15:01

Project Manager:	Conner Moehring				Bill to: (if diff	different)	Car	Carmona Resources	ources				Work Or	Work Order Comments	ıts	
Company Name:	Carmona Resources	ses			Company Name	Vame:						Program: UST/PST	PRP	Drownfields RC	ည္က	perfund
Address:	310 W Wall St Ste 500	e 500			Address:							State of Project:				
City, State ZIP:	Midland, TX 79701	1			City, State ZIP:	ZIP:						Reporting:Level II]Level III		DRRP [Level IV
Phone:	432-813-6823	-1		Emai	Email: mcarmona@carmonaresources.com	a@carmo	naresour	ces.com	1			Deliverables: EDD		ADaPT	Other:	
Project Name:	Acadia Fed Com 1H 98.20.2024)	Com 1H 98	3.20.2024)	Tun	Turn Around					ANALY	ANALYSIS REQUEST	EST		Pre	Preservative Codes	Sodes
Project Number:		2501		☐ Routine	✓ Rush		Pres. Code							None: NO		DI Water: H ₂ O
Project Location	Ed	Eddy Co, NM	_	Due Date:	24 H	Hrs								Cool: Cool		MeOH: Me
Sampler's Name:		ᇝ						(OAI						HCL: HC		HNO3: HN
PO #:				4	(S.I	N + (H ₂ SO ₄ : H ₂		NaOH: Na
SAMPLE RECEIPT	IPT Temp Blank:	Blank:	Yes No	→ Wet Ice:	(Yes.)	9	neter 18	ова	00					H ₃ PO ₄ : HP	우	
Received Intact:	(Yes	No	Thermometer ID:	D:	1	2	11.911	_	qe 3					NaHSO4: NABIS	NABIS	
Cooler Custody Seals:	, A	O NIA	Correction Factor:	tor.	1:1		_	-	iloti					Na ₂ S ₂ O ₃	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	als: Yes No	-	Temperature Reading:	teading:		,		-	чэ					Zn Aceta	Zn Acetate+NaOH: Zn	Zn
Total Containers:			Corrected Temperature:	perature:	ر ا			108						NaOH+A	NaOH+Ascorbic Acid: SAPC	id: SAPC
Sample Identification	ntification	Date	Time	Soil	Water	Grab/ #	# of Cont	нчт						Sai	Sample Comments	nments
Black River Service Pit		NC0010110		>		+	1 ×	×	*				F	-		
		31 1212024		<		9	+	+	<				+	-		
							+								ŧ	
								-								
							£									
							_									
7							+	\downarrow						1		
						+	+						+			
							\parallel									
Comments: Ema	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	a / Mcarm	ona@carmon	aresources.co	m and Con	ner Moeh	ring / Cr	noehring	@carmonar	esources.c	E					
0	,	inquished t	Relinquished by: (Signature)				Date	Date/Time			Recei	Receiyed by: (8ignature)	(6)		Da	Date/Time
18mm	- Wole	3				60	1/13/2	4				1				
)		0					V)	>				
0.11)	-								

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48430-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 48430 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	

4

2

3

4

6

8

10

12

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 406717

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422863783
Incident Name	NAPP2422863783 ACADIA FEDERAL COM 1H @ 30-015-45771
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-45771] ACADIA FEDERAL COM #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Acadia Federal Com 1H
Date Release Discovered	08/08/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Fire Producing Well Crude Oil Released: 1 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 1 BBL.	
Produced Water Released (bbls) Details	Not answered.	
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)	Not answered.	

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, Page 2

Action 406717

QUESTI	IONS (continued)
Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave	229137 Action Number:
Midland, TX 79701	406717
	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; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
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 s	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.
	I aition immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted 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.
I hereby certify that the information given above is true and complete to the best of my to report and/or file certain release notifications and perform corrective actions for releate 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 t does not relieve the operator of responsibility for compliance with any other federal, state, or

local laws and/or regulations. Name: Brittany Esparza

Title: Environmental Technician I hereby agree and sign off to the above statement Email: brittany.Esparza@ConocoPhillips.com Date: 08/20/2024 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, Page 3

Action 406717

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	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 approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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	High	
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 contamination 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	
	1.55	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in mil	lligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	321	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1970	
GRO+DRO (EPA SW-846 Method 8015M)	1970	
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3	
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1	
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.		
On what estimated date will the remediation commence	09/12/2024	
On what date will (or did) the final sampling or liner inspection occur	09/12/2024	
On what date will (or was) the remediation complete(d)	09/16/2024	
What is the estimated surface area (in square feet) that will be reclaimed	650	
What is the estimated volume (in cubic yards) that will be reclaimed	40	
What is the estimated surface area (in square feet) that will be remediated	650	
What is the estimated volume (in cubic yards) that will be remediated	40	
These estimated dates and measurements are recognized to be the best guess or calculation at the	e time of submission and may (be) change(d) over time as more remediation efforts are completed.	
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.

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, Page 4

Action 406717

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	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	RED BLUFF CROSSING [fLWP0117236731]	
OR which OCD approved well (API) will be used for off-site disposal	30-015-45771 ACADIA FEDERAL COM #001H	
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)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
D 0 1 " D (40 45 00 44 NAAO 1 " " 1 1 1 1 " " 1 1 1 1 1 1 1 1 1 1	"	

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: brittany.Esparza@ConocoPhillips.com

Date: 11/26/2024

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.

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, Page 5

Action 406717

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	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

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, Page 6

Action 406717

QUESTIONS (continued)

OGRID:
229137
Action Number:
406717
Action Type:
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	382326
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
What was the (estimated) number of samples that were to be gathered	21
What was the sampling surface area in square feet	650

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	650	
What was the total volume (cubic yards) remediated	40	
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	650	
What was the total volume (in cubic yards) reclaimed	40	
Summarize any additional remediation activities not included by answers (above)	na	

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.

Name: Brittany Esparza

Title: Environmental Technician

Email: brittany.Esparza@ConocoPhillips.com

Date: 11/26/2024

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, Page 7

Action 406717

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office 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

CONDITIONS

Action 406717

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	406717
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	y Condition	Condition Date
scwells	None	12/27/2024