



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**

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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 horizontal 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

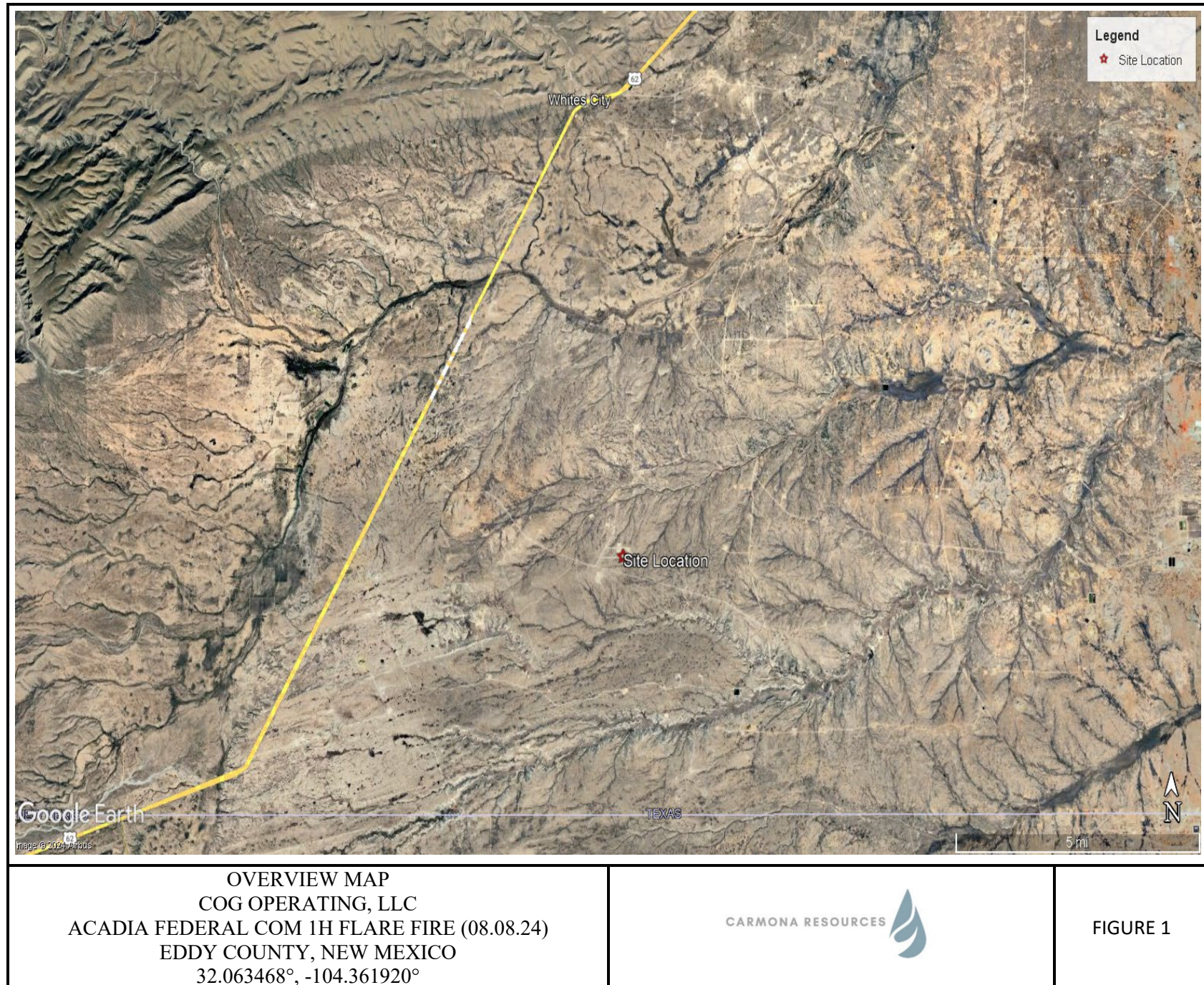
Conner Moehring
Environmental Manager

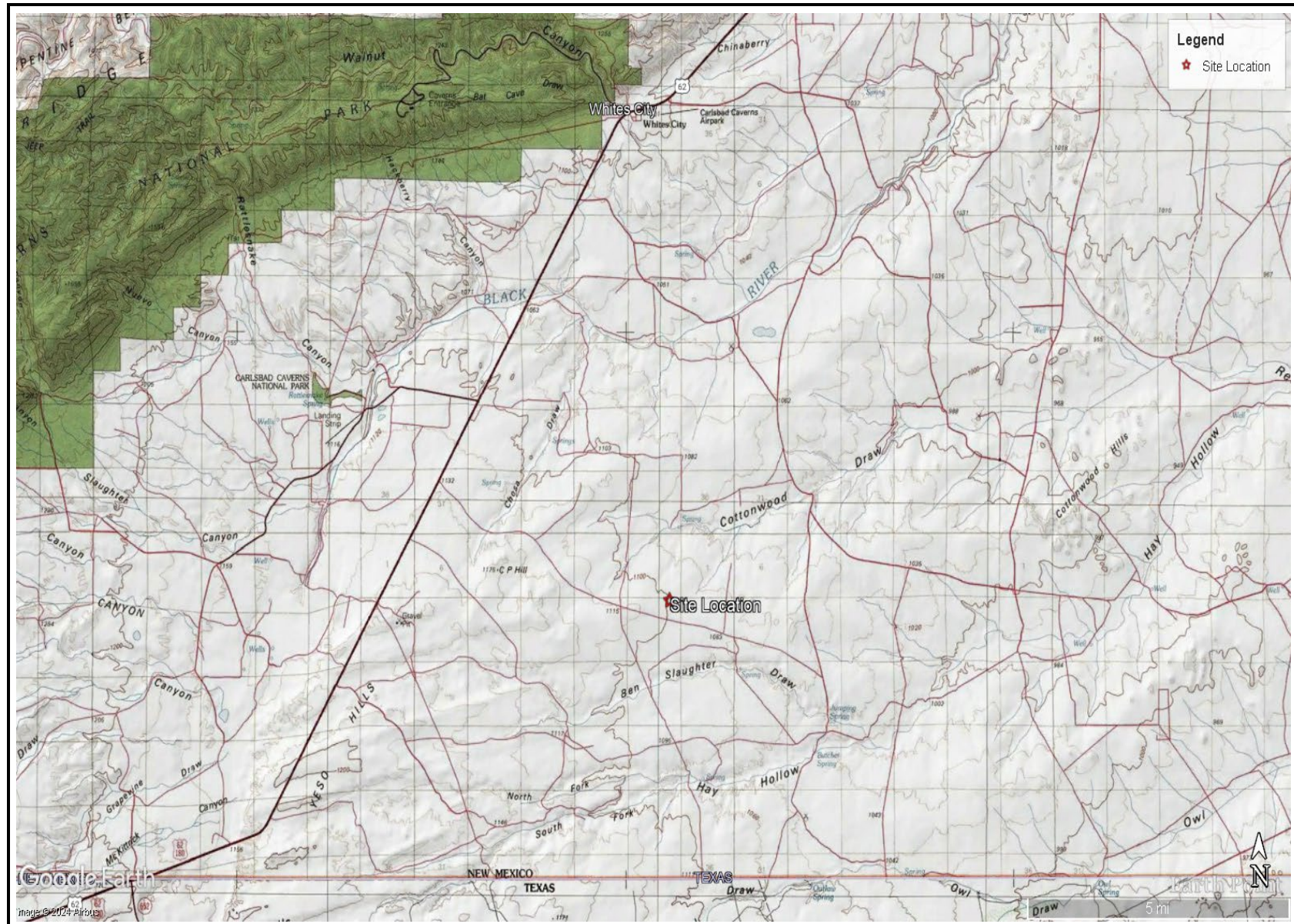
Devin Dominguez
Sr. Project Manager

FIGURES

CARMONA RESOURCES



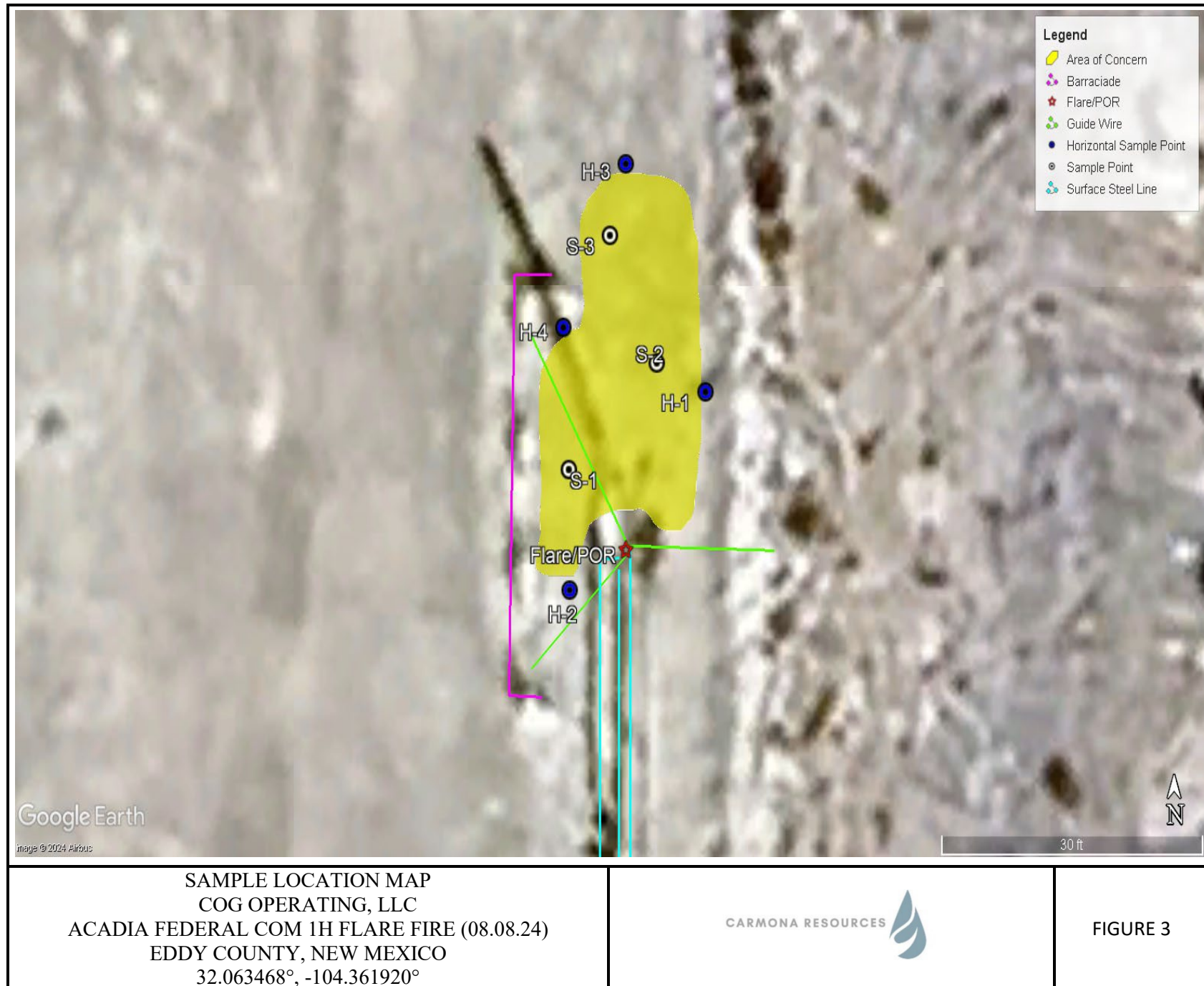


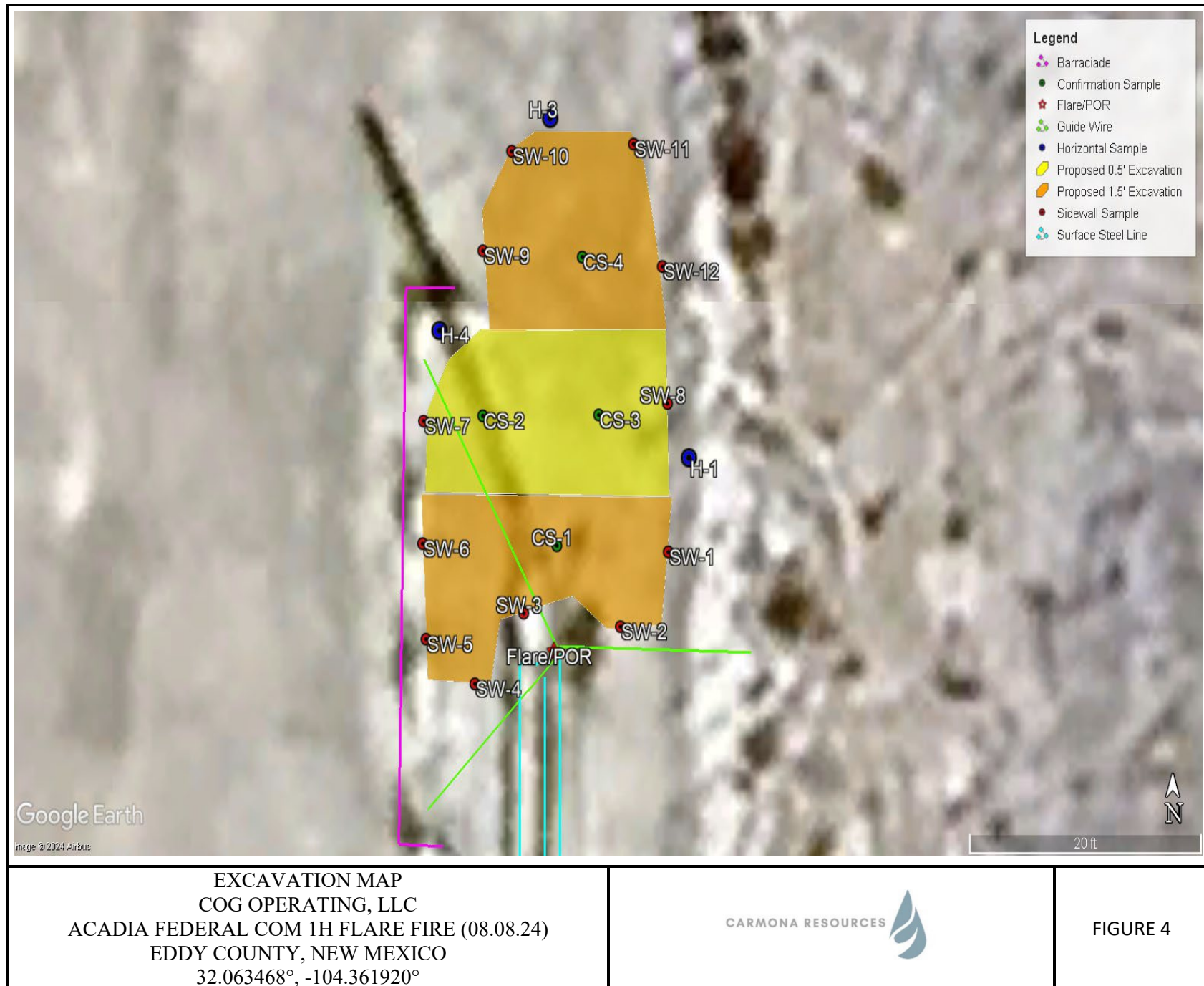


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 ACADIA FEDERAL COM 1H FLARE FIRE (08.08.24)
 EDDY COUNTY, NEW MEXICO
 32.063468°, -104.361920°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



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

Sample ID	Date	Depth (In)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/20/2024	3.0"	<49.7	127	<49.7	127	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.8
	"	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
S-2	8/20/2024	3.0"	<49.8	144	<49.8	144	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.2
	"	6.0"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.5
	"	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
	"	24.0"	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.50
S-3	8/20/2024	3.0"	106	1,860	<49.7	1,970	<0.00200	0.0167	0.00455	0.265	0.286	50.2
	"	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
	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
H-3	8/20/2024	0-0.5"	<49.6	195	<49.6	195	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
	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
	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
Regulatory 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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
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 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

(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.



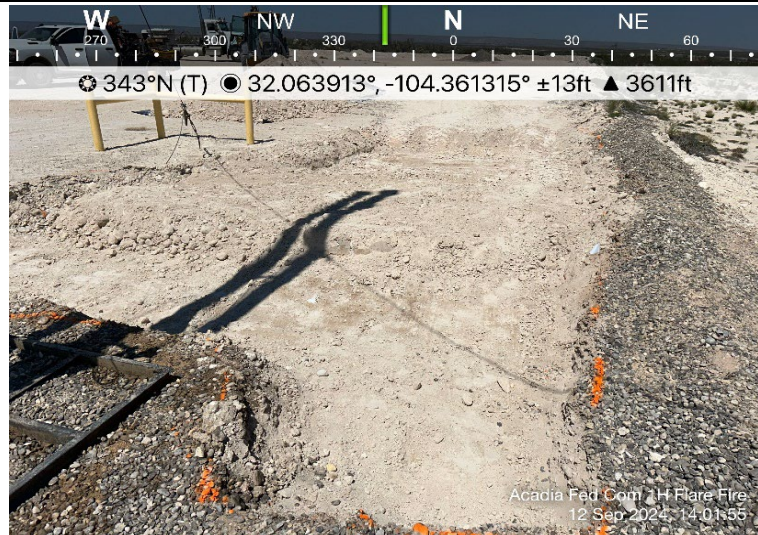
Photograph No. 2

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.



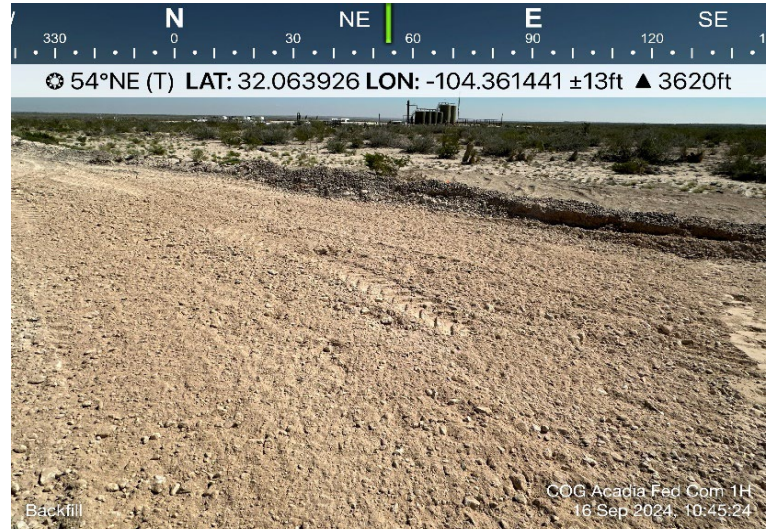
Photograph No. 5

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



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 374508

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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	
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	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.

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QUESTIONS, Page 2

Action 374508

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 374508
	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.	

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ACKNOWLEDGMENTS

Action 374508

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.

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CONDITIONS

Action 374508

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition 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

Received by OCD: 11/26/2024 11:26:03 AM

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

Facility Name & Well Number(s):Acadia Fed Com 1 H

well was shut in due to HLP and it looks as if the Circulation pump did not get turned off causing the low pressure flare line to fill up and going out the flare

Primary Cause (dropdown):

Release Discovery Date & Time:

Secondary Cause (dropdown):

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Provide any known details about the event:

Was the Release to Soil / Caliche (dropdown):

Release On/Off Pad (dropdown):

Recovered Volume (bbl.) (if available, not included in volume calculations)

Release Type (dropdown):

Method of Determination (dropdown):

BU:

Permian

Asset Area:

MBN - Asset Avg.

Yes

On-Pad

Oil

Field Measurement

Known Volume (dropdown):

No

Known Area (dropdown):

Yes

Mapped Area (sq. ft.)

Average Depth (in.)

Total Estimated Volume of Spill (bbl.)

130

0.5

0.9662

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 375422

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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	
<i>Please answer all the questions in this group.</i>	
Site Name	Acadia Federal Com 1H
Date Release Discovered	08/08/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	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

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District II

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

District III

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

District IV

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QUESTIONS, Page 2

Action 375422

QUESTIONS (continued)

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

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/20/2024
--	---

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QUESTIONS, Page 3

Action 375422

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households 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 the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
---	----

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

CONDITIONS

Action 375422

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	8/20/2024

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

QUESTIONS

Action 382326

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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

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CONDITIONS

Action 382326

CONDITIONS

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

CONDITIONS

Created By	Condition	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



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.55 Miles
- Acadia Federal Com 1H (08.08.2024)
- NMSEO Water Well

23' - Drilled 2007

Acadia Federal Com 1H (08.08.2024)



High Karst

COG Operating

Legend

- Acadia Federal Com 1H (08.08.2024)
- High

Acadia Federal Com 1H (08.08.2024)





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	Map	Distance	Well Depth	Depth Water	Water Column
C 03321		C	ED	SE	NW	NW	11	26S	25E	559375.2	3547431.9		882	150	23	127
C 02366		CUB	ED		SE	SE	12	26S	25E	562027.0	3546345.0 *		2222	80	150	-70
C 02152		C	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

UTM Filters (in meters):

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.

A

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Pod 2
468986

Section 1. GENERAL INFORMATION

(A) Owner of well Gary Lovelady Owner's Well No. _____
Street or Post Office Address 550 Beback Inn Rd.
City and State San Marcos, TX 78666

Well was drilled under Permit No. 3321 and is located in the: N32Deg04.680'
W104Deg22.498'
a. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 3 Township 26S Range 25E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348
Address 7317 Etcheverry Rd., Carlsbad, NM 88220
Drilling Began 2-6-07 Completed 2-8-07 Type tools Rotary Size of hole 6 7/8 1 1/4 in.
Elevation of land surface or _____ at well is 3480 ft. Total depth of well 150 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 23 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
60	150	110	Anhydrite: No obvious zones	1/2-3/4

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
5	Sch 40	PVC	+1.5	150	151.5	Cap	110	150

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

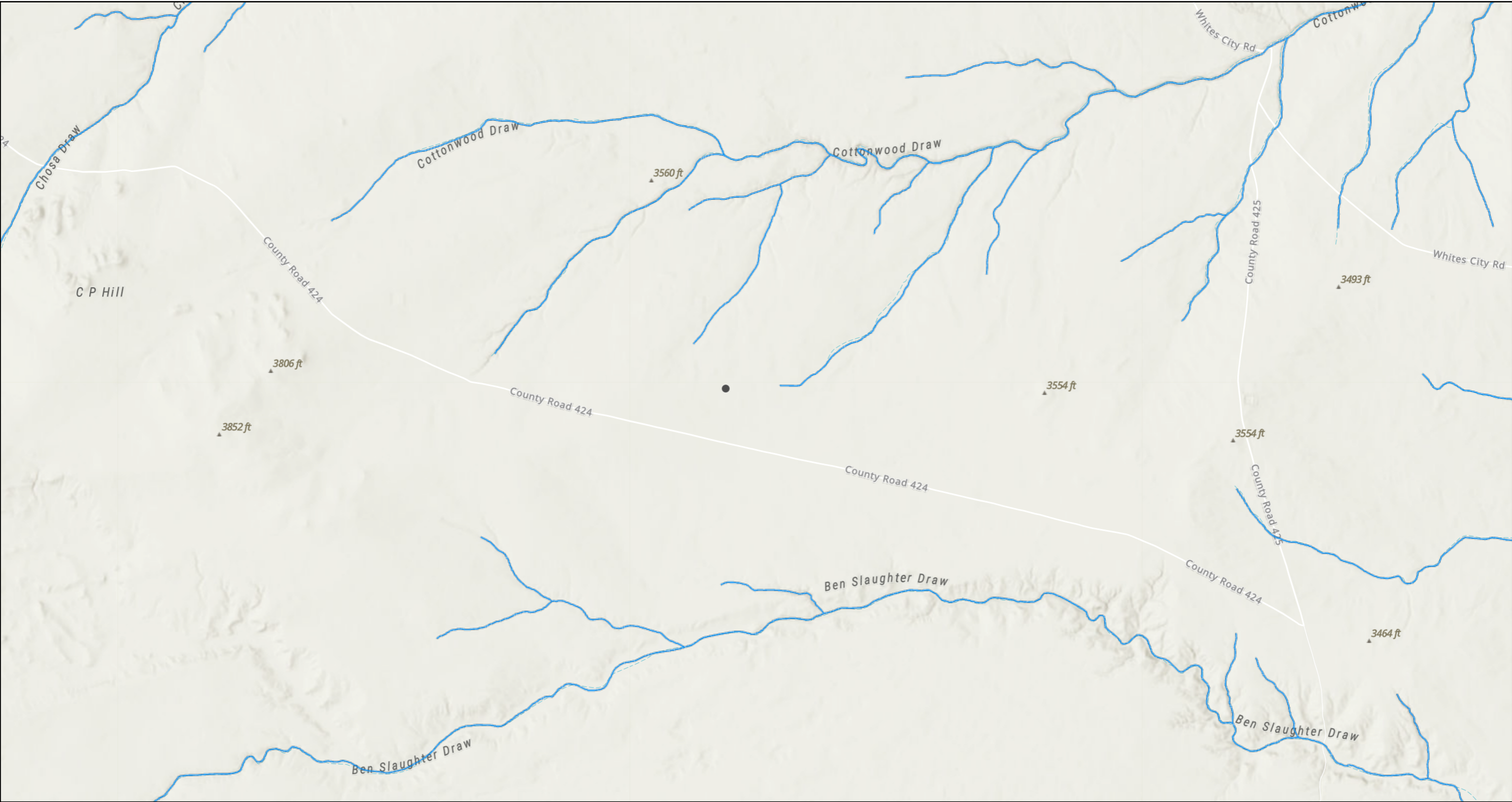
Date Received 4.30.07 FOR USE OF STATE ENGINEER ONLY
Quad _____ FWL _____ FSL _____
File No. C-3321 Use Stock Location No. 26S.25E.3. 114

T- ✓

Section 7. REMARKS AND ADDITIONAL INFORMATION

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

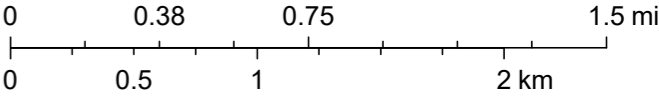
Acadia Federal Com #001H (08.08.2024)



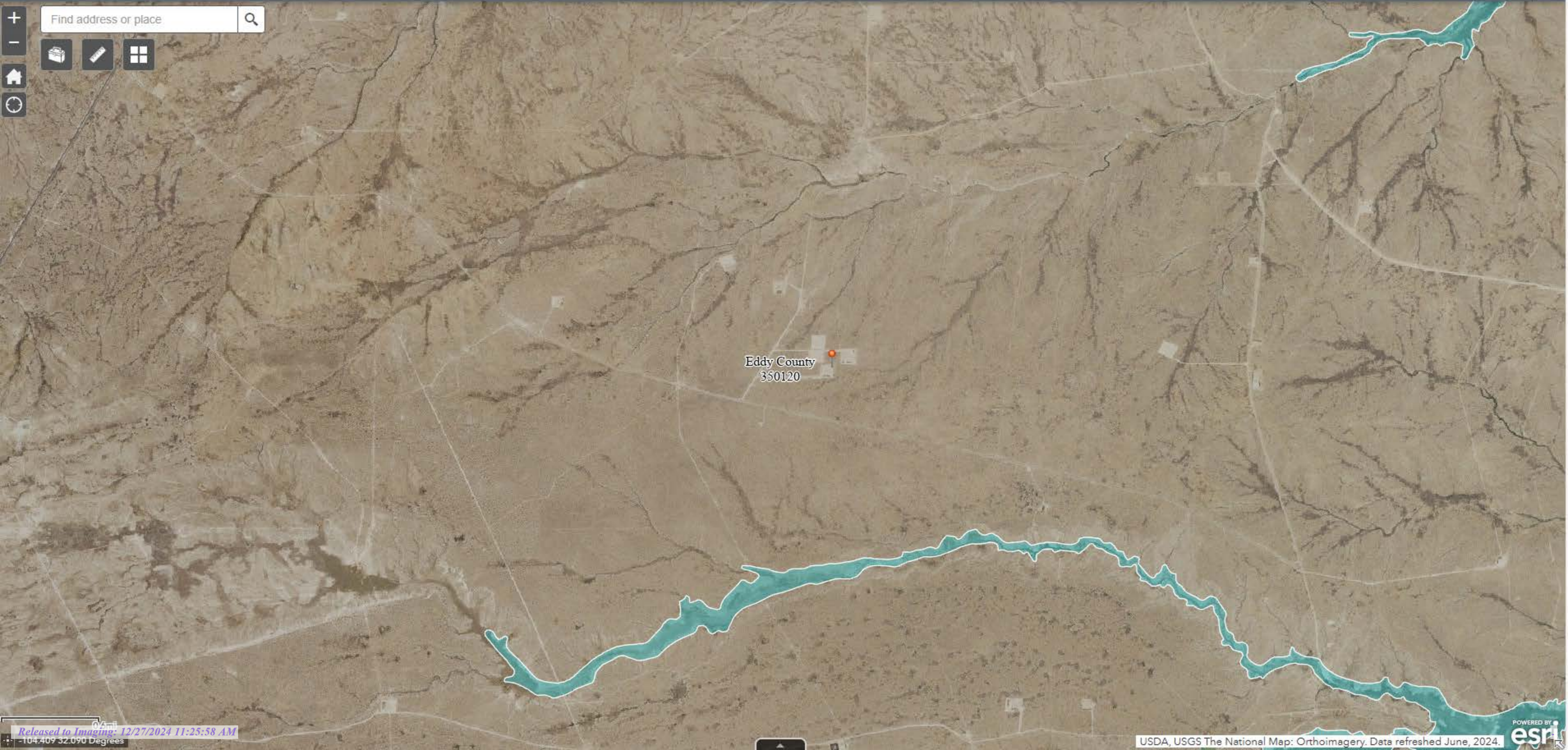
8/20/2024, 9:39:10 AM

— OSE Streams

1:36,112



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

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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



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

Generated
8/26/2024 12:29:31 PM

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

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

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Definitions/Glossary

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

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

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47519-1

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

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.

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Client Sample Results

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

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 - Total BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/21/24 16:18	08/22/24 18:08	1
Diesel Range Organics (Over C10-C28)	127		49.7		mg/Kg		08/21/24 16:18	08/22/24 18:08	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		5.00		mg/Kg			08/22/24 17:00	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-47519-2

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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Client Sample Results

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

Matrix: Solid

Date Received: 08/21/24 13:16

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			08/21/24 23:33	1	
Method: SW846 8015 NM - Diesel Range Organics (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 - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/24 16:18	08/22/24 18:25	1	
Diesel Range Organics (Over C10-C28)	211		50.0		mg/Kg		08/21/24 16:18	08/22/24 18:25	1	
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 Fac	
1-Chlorooctane	189	S1+	70 - 130				08/21/24 16:18	08/22/24 18:25	1	
o-Terphenyl	196	S1+	70 - 130				08/21/24 16:18	08/22/24 18:25	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	19.4		5.01		mg/Kg			08/22/24 17:08	1	

Client Sample ID: S-1 (12")

Lab Sample ID: 880-47519-3

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/24 14:16	08/22/24 00:00	1
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)	95		70 - 130				08/21/24 14:16	08/22/24 00:00	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/22/24 00:00	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	137		49.8		mg/Kg			08/22/24 18:43	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 18:43	1
Diesel Range Organics (Over C10-C28)	137		49.8		mg/Kg		08/21/24 16:18	08/22/24 18:43	1

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Client Sample Results

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 (12")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		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 Chromatography - 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")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/24 14:16	08/22/24 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				08/21/24 14:16	08/22/24 00:27	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/21/24 14:16	08/22/24 00:27	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/22/24 00:27	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		49.8		mg/Kg			08/22/24 19:00	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 19:00	1
Diesel Range Organics (Over C10-C28)	144		49.8		mg/Kg		08/21/24 16:18	08/22/24 19:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	176	S1+	70 - 130				08/21/24 16:18	08/22/24 19:00	1
o-Terphenyl	182	S1+	70 - 130				08/21/24 16:18	08/22/24 19:00	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		5.01		mg/Kg			08/22/24 17:23	1

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Client Sample Results

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 (6")

Lab Sample ID: 880-47519-5

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/24 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 13:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 13:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130	08/21/24 16:22	08/23/24 13:24	1
o-Terphenyl	172	S1+	70 - 130	08/21/24 16:22	08/23/24 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.5		5.05		mg/Kg			08/22/24 17:30	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		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

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Client Sample Results

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 (12")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/22/24 01:21	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/23/24 14:15	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:15	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:15	1	
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	
1-Chlorooctane	173	S1+	70 - 130				08/21/24 16:22	08/23/24 14:15	1	
o-Terphenyl	159	S1+	70 - 130				08/21/24 16:22	08/23/24 14:15	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	13.6		5.05		mg/Kg			08/22/24 17:38	1	

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

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/24 14:16	08/22/24 01:48	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
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	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/22/24 01:48	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/23/24 14:32	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:32	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 14:32	1	

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Client Sample Results

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

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		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 Chromatography - 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: 880-47519-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/24 14:16	08/22/24 02:14	1	
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 - 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 02:14	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			08/23/24 14:50	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 14:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	183	S1+	70 - 130				08/21/24 16:22	08/23/24 14:50	1	
o-Terphenyl	168	S1+	70 - 130				08/21/24 16:22	08/23/24 14:50	1	
Method: EPA 300.0 - Anions, Ion Chromatography - 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	

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Client Sample Results

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-3 (0-3")

Lab Sample ID: 880-47519-9

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/22/24 02:41	1
Toluene	0.0167		0.00200		mg/Kg		08/21/24 14:16	08/22/24 02:41	1
Ethylbenzene	0.00455		0.00200		mg/Kg		08/21/24 14:16	08/22/24 02:41	1
m-Xylene & p-Xylene	0.211		0.00401		mg/Kg		08/21/24 14:16	08/22/24 02:41	1
o-Xylene	0.0535		0.00200		mg/Kg		08/21/24 14:16	08/22/24 02:41	1
Xylenes, Total	0.265		0.00401		mg/Kg		08/21/24 14:16	08/22/24 02:41	1

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
1,4-Difluorobenzene (Surr)	85		70 - 130	08/21/24 14:16	08/22/24 02:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.286		0.00401		mg/Kg			08/22/24 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1970		49.7		mg/Kg			08/23/24 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	106		49.7		mg/Kg		08/21/24 16:22	08/23/24 15:07	1
Diesel Range Organics (Over C10-C28)	1860		49.7		mg/Kg		08/21/24 16:22	08/23/24 15:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/21/24 16:22	08/23/24 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	188	S1+	70 - 130	08/21/24 16:22	08/23/24 15:07	1
o-Terphenyl	186	S1+	70 - 130	08/21/24 16:22	08/23/24 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - 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

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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Client Sample Results

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-3 (6")

Lab Sample ID: 880-47519-10

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.145		0.00398		mg/Kg			08/22/24 03:08	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (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
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:22	08/23/24 15:24	1
Diesel Range Organics (Over C10-C28)	838		49.8		mg/Kg		08/21/24 16:22	08/23/24 15:24	1
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 Chromatography - 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
Project/Site: Acadia Fed Com 1H (8.20.2024)

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

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-47517-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							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-47494-A-14-D MS	Matrix Spike	201 S1+	187 S1+				
880-47494-A-14-E MSD	Matrix Spike Duplicate	203 S1+	194 S1+				
880-47519-1	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+				
880-47519-4	S-2 (0-3")	176 S1+	182 S1+				
880-47519-5	S-2 (6")	186 S1+	172 S1+				
880-47519-5 MS	S-2 (6")	156 S1+	154 S1+				
880-47519-5 MSD	S-2 (6")	159 S1+	156 S1+				
880-47519-6	S-2 (12")	173 S1+	159 S1+				
880-47519-7	S-2 (18")	174 S1+	158 S1+				
880-47519-8	S-2 (24")	183 S1+	168 S1+				
880-47519-9	S-3 (0-3")	188 S1+	186 S1+				
880-47519-10	S-3 (6")	179 S1+	173 S1+				
LCS 880-89106/2-A	Lab Control Sample	108	131 S1+				
LCS 880-89109/2-A	Lab Control Sample	126	110				
LCSD 880-89106/3-A	Lab Control Sample Dup	107	129				
LCSD 880-89109/3-A	Lab Control Sample Dup	107	116				
MB 880-89106/1-A	Method Blank	146 S1+	152 S1+				
MB 880-89109/1-A	Method Blank	83	76				
Surrogate Legend							
1CO = 1-Chlorooctane							
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							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 89018							Prep Batch: 89084		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 89018							Prep Batch: 89084		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1121		mg/Kg		112	70 - 130	
Toluene		0.100	0.1160		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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	114		70 - 130						
1,4-Difluorobenzene (Surr)	78		70 - 130						

Lab Sample ID: LCSD 880-89084/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89018							Prep Batch: 89084			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	106		70 - 130							
1,4-Difluorobenzene (Surr)	89		70 - 130							

Lab Sample ID: 880-47517-A-1-A MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89018							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	

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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
Matrix: Solid
Analysis Batch: 89018

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89084

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				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							

Lab Sample ID: 880-47517-A-1-B MSD
Matrix: Solid
Analysis Batch: 89018

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89084

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	146	S1+	70 - 130						
o-Terphenyl	152	S1+	70 - 130						

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

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

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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)

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

Lab Sample ID: LCSD 880-89106/3-A
Matrix: Solid
Analysis Batch: 89140

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	978.9		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130	6	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	107								70 - 130		
o-Terphenyl	129								70 - 130		

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	972.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	147		998	1200		mg/Kg		106	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	201	S1+							70 - 130		
o-Terphenyl	187	S1+							70 - 130		

Lab Sample ID: 880-47494-A-14-E MSD
Matrix: Solid
Analysis Batch: 89140

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	979.2		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	147		998	1256		mg/Kg		111	70 - 130	5	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	203	S1+							70 - 130		
o-Terphenyl	194	S1+							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: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-89109/1-A							Client Sample ID: Method Blank			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89258							Prep Batch: 89109			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/24 16:22	08/23/24 10:24	1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	83		70 - 130				08/21/24 16:22	08/23/24 10:24	1	
o-Terphenyl	76		70 - 130				08/21/24 16:22	08/23/24 10:24	1	

Lab Sample ID: LCS 880-89109/2-A							Client Sample ID: Lab Control Sample			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89258							Prep Batch: 89109			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	997.1		mg/Kg		100	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1002		mg/Kg		100	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1-Chlorooctane	126		70 - 130							
o-Terphenyl	110		70 - 130							

Lab Sample ID: LCSD 880-89109/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89258							Prep Batch: 89109			
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1012		mg/Kg		101	70 - 130	1 20
Diesel Range Organics (Over C10-C28)			1000	1116		mg/Kg		112	70 - 130	11 20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
o-Terphenyl	116		70 - 130							

Lab Sample ID: 880-47519-5 MS							Client Sample ID: S-2 (6")			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89258							Prep Batch: 89109			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	896.0		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	923.0		mg/Kg		92	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: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-47519-5 MS
Matrix: Solid
Analysis Batch: 89258

Client Sample ID: S-2 (6")
Prep Type: Total/NA
Prep Batch: 89109

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

Lab Sample ID: 880-47519-5 MSD
Matrix: Solid
Analysis Batch: 89258

Client Sample ID: S-2 (6")
Prep Type: Total/NA
Prep Batch: 89109

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	932.5		mg/Kg		93	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	948.1		mg/Kg		95	70 - 130	3	20

	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
Matrix: Solid
Analysis Batch: 89098

Client Sample ID: Method Blank
Prep Type: Soluble

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

Lab Sample ID: LCS 880-89086/2-A
Matrix: Solid
Analysis Batch: 89098

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-89086/3-A
Matrix: Solid
Analysis Batch: 89098

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

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

Lab Sample ID: 880-47518-A-2-C MS
Matrix: Solid
Analysis Batch: 89098

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.30		252	253.7		mg/Kg		97	90 - 110

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

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.30		252	253.4		mg/Kg		97	90 - 110	0	20

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

Matrix: Solid

Analysis Batch: 89127

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/22/24 09:37	1

Lab Sample ID: LCS 880-89122/2-A

Matrix: Solid

Analysis Batch: 89127

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	229.8		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-89122/3-A

Matrix: Solid

Analysis Batch: 89127

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.7		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-47519-7 MS

Matrix: Solid

Analysis Batch: 89127

Client Sample ID: S-2 (18")

Prep Type: Soluble

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

Lab Sample ID: 880-47519-7 MSD

Matrix: Solid

Analysis Batch: 89127

Client Sample ID: S-2 (18")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.7		252	244.0		mg/Kg		92	90 - 110	0	20

QC Association Summary

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 Batch
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

QC Association Summary

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

Eurofins Midland

QC Association Summary

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	

QC Association Summary

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

Lab Chronicle

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

Lab Sample ID: 880-47519-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89185	08/21/24 23:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			89315	08/22/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 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 18:25	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 17:08	CH	EET MID

Client Sample ID: S-1 (12")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Lab Chronicle

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 (0-3")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Client Sample ID: S-2 (6")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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")
Date Collected: 08/20/24 00:00
Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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	Prep	8015NM Prep			10.04 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 14:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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")

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

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

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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")

Date Collected: 08/20/24 00:00

Date Received: 08/21/24 13:16

Lab Sample ID: 880-47519-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Lab Chronicle

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

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

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

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Accreditation/Certification Summary

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

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: 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

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Chain of Custody



880-47519 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Project Name:	Acadia Fed Com 1H (8.20.2024)	Turn Around	Parameters	ANALYSIS REQUEST	Preservative Codes
Project Number:	2501	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			None: NO DI Water: H ₂ O
Project Location:	Eddy Co. NM	Due Date:	72 Hrs		Cool: Cool MeOH: Me
Sampler's Name:	JR				HCL: HC HNO ₃ : HN
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No		H ₃ PO ₄ : HP
Received Intact:	Yes No	Thermometer ID:			NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No	Correction Factor:			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	Temperature Reading:			Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:			NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	TP										Sample Comments
S-1 (0-3")	8/20/2024		X		G	1	X	X	X								
S-1 (6")	8/20/2024		X		G	1	X	X	X								
S-1 (12")	8/20/2024		X		G	1	X	X	X								
S-2 (0-3")	8/20/2024		X		G	1	X	X	X								
S-2 (6")	8/20/2024		X		G	1	X	X	X								
S-2 (12")	8/20/2024		X		G	1	X	X	X								
S-2 (18")	8/20/2024		X		G	1	X	X	X								
S-2 (24")	8/20/2024		X		G	1	X	X	X								
S-3 (0-3")	8/20/2024		X		G	1	X	X	X								
S-3 (6")	8/20/2024		X		G	1	X	X	X								

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Mike Moehring</i>	8-20-24	<i>[Signature]</i>	8/21/24 1516

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47519-1

SDG Number: Eddy Co, NM

Login Number: 47519

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



Environment Testing

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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

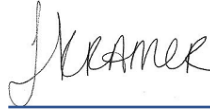
Eurofins Midland

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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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

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

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Definitions/Glossary

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

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

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Acadia Fed Com 1H (8.20.2024)

Job ID: 880-47517-1

Job ID: 880-47517-1

Eurofins Midland

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.

Eurofins Midland

Client Sample Results

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')

Lab Sample ID: 880-47517-1

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: SW846 8021B - Volatile Organic Compounds (GC)									
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 - Total BTEX Calculation									
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 - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1450		49.8		mg/Kg			08/22/24 14:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 14:49	1
Diesel Range Organics (Over C10-C28)	1450		49.8		mg/Kg		08/21/24 16:18	08/22/24 14:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	182	S1+	70 - 130				08/21/24 16:18	08/22/24 14:49	1
o-Terphenyl	194	S1+	70 - 130				08/21/24 16:18	08/22/24 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		5.01		mg/Kg			08/22/24 15:22	1

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

Lab Sample ID: 880-47517-2

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		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

Client Sample Results

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-2 (0-0.5')

Lab Sample ID: 880-47517-2

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/21/24 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/22/24 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/24 16:18	08/22/24 15:07	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.98		5.05		mg/Kg			08/22/24 15:30	1

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

Lab Sample ID: 880-47517-3

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/24 14:16	08/21/24 18:35	1
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
1,4-Difluorobenzene (Surr)	103		70 - 130				08/21/24 14:16	08/21/24 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/21/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	195		49.6		mg/Kg			08/22/24 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/21/24 16:18	08/22/24 15:25	1
Diesel Range Organics (Over C10-C28)	195		49.6		mg/Kg		08/21/24 16:18	08/22/24 15:25	1

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Client Sample Results

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-3 (0-0.5')

Lab Sample ID: 880-47517-3

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

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)	<49.6	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	193	S1+	70 - 130				08/21/24 16:18	08/22/24 15:25	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<4.98	U	4.98		mg/Kg			08/22/24 15:37	1	

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

Lab Sample ID: 880-47517-4

Date Collected: 08/20/24 00:00

Matrix: Solid

Date Received: 08/21/24 13:16

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/21/24 19:02	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
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 - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		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	
Oil Range Organics (Over C28-C36)	<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 Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	321		4.96		mg/Kg			08/22/24 15:45	1	

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Surrogate Summary

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)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-47494-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			

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)

Lab Sample ID: MB 880-89084/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 89018							Prep Batch: 89084		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 89018							Prep Batch: 89084		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1121		mg/Kg		112	70 - 130	
Toluene		0.100	0.1160		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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	114		70 - 130						
1,4-Difluorobenzene (Surr)	78		70 - 130						

Lab Sample ID: LCSD 880-89084/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 89018							Prep Batch: 89084			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	106		70 - 130							
1,4-Difluorobenzene (Surr)	89		70 - 130							

Lab Sample ID: 880-47517-1 MS							Client Sample ID: H-1 (0-0.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 89018							Prep Batch: 89084		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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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: Total/NA
Prep Batch: 89084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	83		70 - 130						

Lab Sample ID: 880-47517-1 MSD
Matrix: Solid
Analysis Batch: 89018

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 89084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
Surrogate	MSD %Recovery	MSD 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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	146	S1+	70 - 130						
o-Terphenyl	152	S1+	70 - 130						

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

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

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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: 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

Lab Sample ID: LCSD 880-89106/3-A
Matrix: Solid
Analysis Batch: 89140

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	978.9		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130	6	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	107								70 - 130		
o-Terphenyl	129								70 - 130		

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	972.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	147		998	1200		mg/Kg		106	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	201	S1+							70 - 130		
o-Terphenyl	187	S1+							70 - 130		

Lab Sample ID: 880-47494-A-14-E MSD
Matrix: Solid
Analysis Batch: 89140

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	979.2		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	147		998	1256		mg/Kg		111	70 - 130	5	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	203	S1+							70 - 130		
o-Terphenyl	194	S1+							70 - 130		

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: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89086/1-A Matrix: Solid Analysis Batch: 89098										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			08/22/24 13:35	1		

Lab Sample ID: LCS 880-89086/2-A Matrix: Solid Analysis Batch: 89098										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-89086/3-A Matrix: Solid Analysis Batch: 89098										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble	
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.0		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-47518-A-2-C MS Matrix: Solid Analysis Batch: 89098										Client Sample ID: Matrix Spike Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	8.30		252	253.7		mg/Kg		97	90 - 110		

Lab Sample ID: 880-47518-A-2-D MSD Matrix: Solid Analysis Batch: 89098										Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.30		252	253.4		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

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

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	89084	08/21/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89018	08/21/24 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89183	08/21/24 18:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			89313	08/22/24 15:07	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 15:07	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 15:30	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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
Project/Site: Acadia Fed Com 1H (8.20.2024)

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: 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

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- 2
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- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcamrona@camronaresources.com

Work Order Comments	
Program: US/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> partfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

W.




880-47517 Chain of Custody

8/23/2024

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Colt Muehling</i>	8-20-24		8/21/24 1:36

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47517-1

SDG Number: Eddy Co, NM

Login Number: 47517

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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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

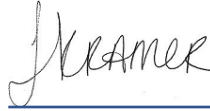
Eurofins Midland

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



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9/16/2024 5:28:58 PM

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

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

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

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Definitions/Glossary

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

Job ID: 880-48439-1
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
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Acadia Fed Com 1H (8.20.24)

Job ID: 880-48439-1

Job ID: 880-48439-1

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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.

HPLC/IC

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

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Client Sample Results

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

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

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-48439-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 11:33	1

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

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

Lab Sample ID: 880-48439-2

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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
1,4-Difluorobenzene (Surr)	111		70 - 130	09/14/24 12:21	09/14/24 16:25	1

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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')

Lab Sample ID: 880-48439-2

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/14/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/24 15:59	09/16/24 12:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/24 15:59	09/16/24 12:23	1
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 Fac
1-Chlorooctane	89		70 - 130				09/13/24 15:59	09/16/24 12:23	1
o-Terphenyl	78		70 - 130				09/13/24 15:59	09/16/24 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			09/14/24 11:26	1

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 8021B - Volatile Organic Compounds (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 16:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 16:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/14/24 12:21	09/14/24 16:46	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/14/24 12:21	09/14/24 16:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/14/24 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 12:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 12:40	1

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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-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

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)	<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 Chromatography - Soluble									
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')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/24 12:21	09/14/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				09/14/24 12:21	09/14/24 17:06	1
1,4-Difluorobenzene (Surr)	113		70 - 130				09/14/24 12:21	09/14/24 17:06	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/14/24 17:06	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 12:56	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 12:56	1
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 Chromatography - 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)

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/14/24 17:26	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 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 13:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 13:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/13/24 15:59	09/16/24 13:13	1
o-Terphenyl	74		70 - 130				09/13/24 15:59	09/16/24 13:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/14/24 12:10	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-48439-6

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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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: SW-2 (1.5')

Lab Sample ID: 880-48439-6

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/14/24 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:30	1
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 Fac
1-Chlorooctane	91		70 - 130				09/13/24 15:59	09/16/24 13:30	1
o-Terphenyl	78		70 - 130				09/13/24 15:59	09/16/24 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/14/24 12:19	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-48439-7

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/14/24 12:21	09/14/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/14/24 12:21	09/14/24 18:07	1
1,4-Difluorobenzene (Surr)	113		70 - 130				09/14/24 12:21	09/14/24 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/14/24 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 15:59	09/16/24 13:46	1

Eurofins Midland

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: SW-3 (1.5')

Lab Sample ID: 880-48439-7

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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: EPA 300.0 - Anions, Ion Chromatography - 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')

Lab Sample ID: 880-48439-8

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/13/24 15:59	09/16/24 14:03	1
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
o-Terphenyl	79		70 - 130				09/13/24 15:59	09/16/24 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Eurofins Midland

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: SW-5 (1.5')

Lab Sample ID: 880-48439-9

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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: 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			09/14/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/16/24 08:44	09/16/24 11:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/16/24 08:44	09/16/24 11:33	1
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
1-Chlorooctane	93		70 - 130	09/16/24 08:44	09/16/24 11:33	1
o-Terphenyl	92		70 - 130	09/16/24 08:44	09/16/24 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			09/14/24 13:03	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-48439-10

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

Eurofins Midland

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: SW-6 (1.5')

Lab Sample ID: 880-48439-10

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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			09/14/24 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/16/24 08:44	09/16/24 12:23	1
o-Terphenyl	93		70 - 130				09/16/24 08:44	09/16/24 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/14/24 13:12	1

Client Sample ID: SW-7 (0.5')

Lab Sample ID: 880-48439-11

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		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
4-Bromofluorobenzene (Surr)	97		70 - 130				09/14/24 12:21	09/14/24 20:59	1
1,4-Difluorobenzene (Surr)	104		70 - 130				09/14/24 12:21	09/14/24 20:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/14/24 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 12:40	1

Eurofins Midland

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: SW-7 (0.5')

Lab Sample ID: 880-48439-11

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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		09/16/24 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			09/13/24 23:39	1

Client Sample ID: SW-8 (0.5')

Lab Sample ID: 880-48439-12

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/14/24 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 12:56	1

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			09/13/24 23:59	1

Eurofins Midland

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: SW-9 (1.5')

Lab Sample ID: 880-48439-13

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/14/24 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 13:13	1
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 Chromatography - 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

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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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: SW-10 (1.5')

Lab Sample ID: 880-48439-14

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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			09/14/24 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 13:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/16/24 08:44	09/16/24 13:30	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			09/14/24 00:12	1

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-48439-15

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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)	110		70 - 130				09/14/24 12:21	09/14/24 22:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/14/24 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/16/24 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 13:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 13:46	1

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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: SW-11 (1.5')

Lab Sample ID: 880-48439-15

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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)	<49.7	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 Chromatography - Soluble

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:21	09/14/24 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/14/24 12:21	09/14/24 22:41	1
1,4-Difluorobenzene (Surr)	114		70 - 130				09/14/24 12:21	09/14/24 22:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/14/24 22:41	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/16/24 08:44	09/16/24 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/16/24 08:44	09/16/24 14:03	1
o-Terphenyl	91		70 - 130				09/16/24 08:44	09/16/24 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/14/24 00:38	1

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Surrogate Summary

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)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(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				
MB 880-90770/5-A	Method Blank	166 S1+	110				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-48439-1	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				

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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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: LCS 880-90770/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.09286		mg/Kg		93	70 - 130	
Toluene		0.100	0.09011		mg/Kg		90	70 - 130	
Ethylbenzene		0.100	0.1087		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene		0.200	0.2146		mg/Kg		107	70 - 130	
o-Xylene		0.100	0.09046		mg/Kg		90	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: LCSD 880-90770/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 90765							Prep Batch: 90770			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	111		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-48439-1 MS							Client Sample ID: CS-1 (1.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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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
Matrix: Solid
Analysis Batch: 90765

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 90770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.101	0.08248		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1852		mg/Kg		92	70 - 130
o-Xylene	<0.00198	U	0.101	0.08724		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: 880-48439-1 MSD
Matrix: Solid
Analysis Batch: 90765

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 90770

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 09:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 09:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:59	09/16/24 09:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	80		70 - 130						

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

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

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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: 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

Lab Sample ID: LCSD 880-90746/3-A
Matrix: Solid
Analysis Batch: 90802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90746

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

	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

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 90746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	815.1		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	781.8		mg/Kg		78	70 - 130		

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

Lab Sample ID: 880-48439-1 MSD
Matrix: Solid
Analysis Batch: 90802

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 90746

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	810.7		mg/Kg		81	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	768.8		mg/Kg		77	70 - 130	2	20

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/16/24 08:44	09/16/24 09:02	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/16/24 08:44	09/16/24 09:02	1
o-Terphenyl	96		70 - 130				09/16/24 08:44	09/16/24 09:02	1

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

Matrix: Solid

Analysis Batch: 90804

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.5		mg/Kg		99	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	116		70 - 130				
o-Terphenyl	128		70 - 130				

Lab Sample ID: LCSD 880-90796/3-A

Matrix: Solid

Analysis Batch: 90804

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1034		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	941.6		mg/Kg		94	70 - 130	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	124		70 - 130						

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

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

Eurofins Midland

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: 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	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-48439-9 MSD

Matrix: Solid

Analysis Batch: 90804

Client Sample ID: SW-5 (1.5')

Prep Type: Total/NA

Prep Batch: 90796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	937.3		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1012		mg/Kg		101	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	102		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 90747

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/14/24 09:14	1

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

Matrix: Solid

Analysis Batch: 90747

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 90747

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-48439-4 MS

Matrix: Solid

Analysis Batch: 90747

Client Sample ID: CS-4 (1.5')

Prep Type: Soluble

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

Eurofins Midland

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: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-48439-4 MSD

Matrix: Solid

Analysis Batch: 90747

Client Sample ID: CS-4 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.05	U	253	251.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-90744/1-A

Matrix: Solid

Analysis Batch: 90753

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/13/24 23:20	1

Lab Sample ID: LCS 880-90744/2-A

Matrix: Solid

Analysis Batch: 90753

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.3		mg/Kg		91	90 - 110

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

Matrix: Solid

Analysis Batch: 90753

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	229.0		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-48439-11 MS

Matrix: Solid

Analysis Batch: 90753

Client Sample ID: SW-7 (0.5')

Prep Type: Soluble

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

Lab Sample ID: 880-48439-11 MSD

Matrix: Solid

Analysis Batch: 90753

Client Sample ID: SW-7 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U	251	230.3		mg/Kg		90	90 - 110	0	20

Eurofins Midland

QC Association Summary

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 Batch
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	
880-48439-5	SW-1 (1.5')	Total/NA	Solid	5035	
880-48439-6	SW-2 (1.5')	Total/NA	Solid	5035	
880-48439-7	SW-3 (1.5')	Total/NA	Solid	5035	
880-48439-8	SW-4 (1.5')	Total/NA	Solid	5035	
880-48439-9	SW-5 (1.5')	Total/NA	Solid	5035	
880-48439-10	SW-6 (1.5')	Total/NA	Solid	5035	
880-48439-11	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	
880-48439-15	SW-11 (1.5')	Total/NA	Solid	5035	
880-48439-16	SW-12 (1.5')	Total/NA	Solid	5035	
MB 880-90770/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90770/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90770/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48439-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-48439-1 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	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-48439-2	CS-2 (0.5')	Total/NA	Solid	Total BTEX	
880-48439-3	CS-3 (0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

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

QC Association Summary

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	
880-48439-14	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-48439-15	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-48439-16	SW-12 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

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

Eurofins Midland

QC Association Summary

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

Lab Chronicle

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

Lab Sample ID: 880-48439-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	90770	09/14/24 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/14/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 16:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 12:23	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 11:26	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Lab Sample ID: 880-48439-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Lab Chronicle

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-4 (1.5')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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
Soluble	Leach	DI Leach			5.02 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 12:10	CH	EET MID

Client Sample ID: SW-2 (1.5')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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	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 13:46	TKC	EET MID

Eurofins Midland

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Lab Sample ID: 880-48439-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Eurofins Midland

Lab Chronicle

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-7 (0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 20:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90817	09/14/24 20:59	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90892	09/16/24 12:40	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 12:40	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	09/13/24 23:39	CH	EET MID

Client Sample ID: SW-8 (0.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Client Sample ID: SW-9 (1.5')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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 BTEX		1			90817	09/14/24 22:00	MNR	EET MID

Eurofins Midland

Lab Chronicle

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48439-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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 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 00:18	CH	EET MID

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

Lab Sample ID: 880-48439-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 880-48439-1
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 (8.20.24)

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

Chain of Custody



880-48439 Chain of Custody

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

ANALYSIS REQUEST										Preservative Codes		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	Turn Around	Rush	Due Date	24 Hrs
CS-1 (1.5')	9/12/2024		X		Comp	1						
CS-2 (0.5')	9/12/2024		X		Comp	1						
CS-3 (0.5')	9/12/2024		X		Comp	1						
CS-4 (1.5')	9/12/2024		X		Comp	1						
SW-1 (1.5')	9/12/2024		X		Comp	1						
SW-2 (1.5')	9/12/2024		X		Comp	1						
SW-3 (1.5')	9/12/2024		X		Comp	1						
SW-4 (1.5')	9/12/2024		X		Comp	1						
SW-5 (1.5')	9/12/2024		X		Comp	1						
SW-6 (1.5')	9/12/2024		X		Comp	1						

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	09/13/24	<i>[Signature]</i>	

Chain of Custody

Work Order No:

Page 2 of 2

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48439-1

SDG Number: Eddy Co, NM

Login Number: 48439

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



Environment Testing

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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

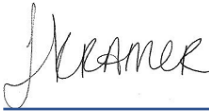
Eurofins Midland

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
Jessica.Kramer@et.eurofinsus.com
(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

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Definitions/Glossary

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

Job ID: 880-48431-1
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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-48431-1

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-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

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.

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Case Narrative

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

Job ID: 880-48431-1

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.

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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-1 (0-0.5')

Lab Sample ID: 880-48431-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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 Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/15/24 09:57	1

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 11:28	09/16/24 13:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 11:28	09/16/24 13:38	1
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 Chromatography - 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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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
Project/Site: Acadia fed Com 1H 98.20.2024)

Job ID: 880-48431-1
SDG: Eddy Co, NM

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

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/15/24 10:17	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 13:53	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 13:53	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 13:53	1	
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 Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<4.98	U	4.98		mg/Kg			09/14/24 10:21	1	

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

Lab Sample ID: 880-48431-3

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		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	
1,4-Difluorobenzene (Surr)	115		70 - 130				09/14/24 12:46	09/15/24 10:38	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/15/24 10:38	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 14:08	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/24 11:28	09/16/24 14:08	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/24 11:28	09/16/24 14:08	1	

Eurofins Midland

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 - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		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 Chromatography - 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

Surrogate Summary

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)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48403-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			

QC Sample Results

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							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: LCSD 880-90772/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Benzene		0.100	0.09002		mg/Kg		90	70 - 130	2 35

Eurofins Midland

QC Sample Results

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
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	

Surrogate	MS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
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

Surrogate	MSD		Limits
	%Recovery	Qualifier	
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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1

Eurofins Midland

QC Sample Results

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
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90723

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Lab Sample ID: LCS 880-90723/2-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	982.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	990.5		mg/Kg		99	70 - 130
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	966.1		mg/Kg		97	70 - 130	2	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	712.9		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	54.1		994	762.8		mg/Kg		71	70 - 130
Surrogate	MS MS		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	90		70 - 130						
o-Terphenyl	88		70 - 130						

QC Sample Results

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						Prep Type: Total/NA						
Analysis Batch: 90830						Prep Batch: 90723						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	717.0		mg/Kg		72	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	54.1		994	759.8		mg/Kg		71	70 - 130	0	20	
	MSD %Recovery	MSD Qualifier	Limits									
Surrogate												
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						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 90754												
Analyte	MB Result	MB 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						Client Sample ID: Lab Control Sample						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 90754												
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride			250	225.2		mg/Kg		90	90 - 110			

Lab Sample ID: LCSD 880-90740/3-A						Client Sample ID: Lab Control Sample Dup						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 90754												
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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')						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 90754												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	6.30	F1	248	228.0	F1	mg/Kg		89	90 - 110			

Lab Sample ID: 880-48431-1 MSD						Client Sample ID: H-1 (0-0.5')						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 90754												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	6.30	F1	248	228.8		mg/Kg		90	90 - 110	0	20	

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

Eurofins Midland

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

Lab Chronicle

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: 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

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

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Chain of Custody



990-48431 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Recd
<i>Donna Murphy</i>	09/13/24	
	1501	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48431-1

SDG Number: Eddy Co, NM

Login Number: 48431

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



Environment Testing

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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

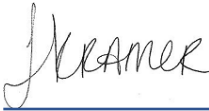
Eurofins Midland

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
Jessica.Kramer@et.eurofinsus.com
(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

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1
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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-48430-1

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

Client Sample Results

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/24 12:46	09/15/24 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				09/14/24 12:46	09/15/24 11:39	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/14/24 12:46	09/15/24 11:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/15/24 11:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 13:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/24 11:28	09/16/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/24 11:28	09/16/24 13:23	1
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
o-Terphenyl	77		70 - 130				09/13/24 11:28	09/16/24 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		4.98		mg/Kg			09/14/24 12:56	1

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 Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48403-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-
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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)

Lab Sample ID: MB 880-90770/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: LCSD 880-90772/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09002		mg/Kg		90	70 - 130	2	35

Eurofins Midland

QC Sample Results

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

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
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

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
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

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
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	%Recovery	Qualifier	Limits								
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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1

Eurofins Midland

QC Sample Results

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

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90723

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Lab Sample ID: LCS 880-90723/2-A

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	982.7		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	990.5		mg/Kg		99	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	966.1		mg/Kg		97	70 - 130	2	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
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

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	712.9		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	54.1		994	762.8		mg/Kg		71	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	90		70 - 130								
o-Terphenyl	88		70 - 130								

Eurofins Midland

QC Sample Results

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							Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid							Prep Type: Total/NA					
Analysis Batch: 90830							Prep Batch: 90723					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	717.0		mg/Kg		72	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	54.1		994	759.8		mg/Kg		71	70 - 130	0	20	
	MSD %Recovery	MSD Qualifier	Limits									
Surrogate												
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					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 90754												
Analyte	MB Result	MB 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							Client Sample ID: Lab Control Sample					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 90754												
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride			250	225.2		mg/Kg		90	90 - 110			

Lab Sample ID: LCSD 880-90740/3-A							Client Sample ID: Lab Control Sample Dup					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 90754												
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride			250	225.6		mg/Kg		90	90 - 110	0	20	

Lab Sample ID: 880-48435-A-4-D MS							Client Sample ID: Matrix Spike					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 90754												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	7.91		249	243.6		mg/Kg		95	90 - 110			

Lab Sample ID: 880-48435-A-4-E MSD							Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 90754												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48430-1	Black River Service Pit	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
880-48430-1	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

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

Lab Sample ID: 880-48430-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Acadia Fed Com 1H 98.20.2024)

Job ID: 880-48430-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: 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

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

Chain of Custody



090-48430 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Project Name:		Acadia Fed Com 1H 98.20 2024)		Turn Around		ANALYSIS REC	
Project Number:		2501		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location		Eddy Co. NM		Due Date:		24 Hrs	
Sampler's Name:		JR					
PO #:							
SAMPLE RECEIPT		Temp Blank:		Yes	No		
Received Intact:		Yes	No	Thermometer ID:			
Cooler Custody Seals:		Yes	No	Correction Factor:			
Sample Custody Seals:		Yes	No	Temperature Reading:			
Total Containers:				Corrected Temperature:			
				Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				Parameters		BTX 8021B	
						8015M (GRO + DRO + MRO)	
						Chloride 300	
				Pres. Code			

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Rec
<i>[Signature]</i>	09/13/24 1501	

Work Order Comments

Program: ☐UST/☐PST ☐PRP ☐rowfields ☐RC ☐perfund

State of Project:

Reporting: Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV

Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible][illegible]

Prepared by: (Signature)	Date/Time

- 1
- 2
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- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48430-1

SDG Number: Eddy Co, NM

Login Number: 48430

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

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: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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.

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

QUESTIONS, Page 2

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/20/2024
--	---

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

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

QUESTIONS, Page 3

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 406717
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	406717
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/26/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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

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QUESTIONS, Page 6

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	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.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/26/2024
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QUESTIONS, Page 7

Action 406717

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 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

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CONDITIONS

Action 406717

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 406717
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/27/2024