

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Received by OCD: 9/5/2025 8:55:39 AM Convert irregular shape into a series of rectangles Length (ft.) Width (ft.) Average Depth (in.) On/Off Pad (dropdown) Soil Spilled-Fluid Saturation (%) Estimated volume of each area (bbl.) Total Estimated Volume of Spill (bbl.)								Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Page 1 of 171 Current Rule of Thumb: RMR Handover Volume, (yd³.)
Rectangle A	6.0	51.0	3.0	On-Pad✓	10.50%	13.62	1.43	3.54	750
Rectangle B	12.0	15.0	6.0	On-Pad✓	10.50%	16.02	1.68	4.17	
Rectangle C	57.0	27.0	6.0	On-Pad✓	10.50%	136.97	14.38	35.63	
Rectangle D				✓		0.00		0.00	
Rectangle E				✓		0.00		0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Subsurface Volume Released:							17.4938	43.33	BU
Released to Imaging: 10/22/2025 11:32:37 AM									



SITE INFORMATION

Closure Report
Daisy 24 State Com Battery
Eddy County, New Mexico
Incident ID: NAPP2503633866
Unit D Sec 24 T25S R27E
32.121200°, -104.148500°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 01.08.2025
Volume Released: 17 Barrels of Produced Water
Volume Recovered: 8 barrels of Produced Water

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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March 11, 2025

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

Re: Closure Report
Daisy 24 State Com Battery (01.08.2025)
Incident ID: NAPP2503633866
Concho Operating, LLC
Site Location: Unit D, S24, T25S, R27E
(Lat 32.121200°, Long -104.148500°)
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 Daisy 24 State Com Battery (01.08.2025). The site is located at 32.121200, -104.148500 within Unit D, S24, T25S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 8, 2025, due to equipment failure, specifically an open top roll-off frac tank. The incident released approximately seventeen (17) barrels of produced water with eight (8) barrels of produced water recovered. The impacted area occurred on pad, as shown in 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, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.19 miles Southeast of the site in S25, T25S, R27E and was drilled in 2016. The well has a reported depth to groundwater of 12' 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 January 20, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 & S-2) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 4' 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.

5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation area and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 22, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 1.5' to ensure the removal of all impacted material. A total of nine (9) confirmation floor samples were collected (CS-1 through CS-9), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced locally from the R360 Red Bluff pit. The composite pit 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 laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 115 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. COG formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

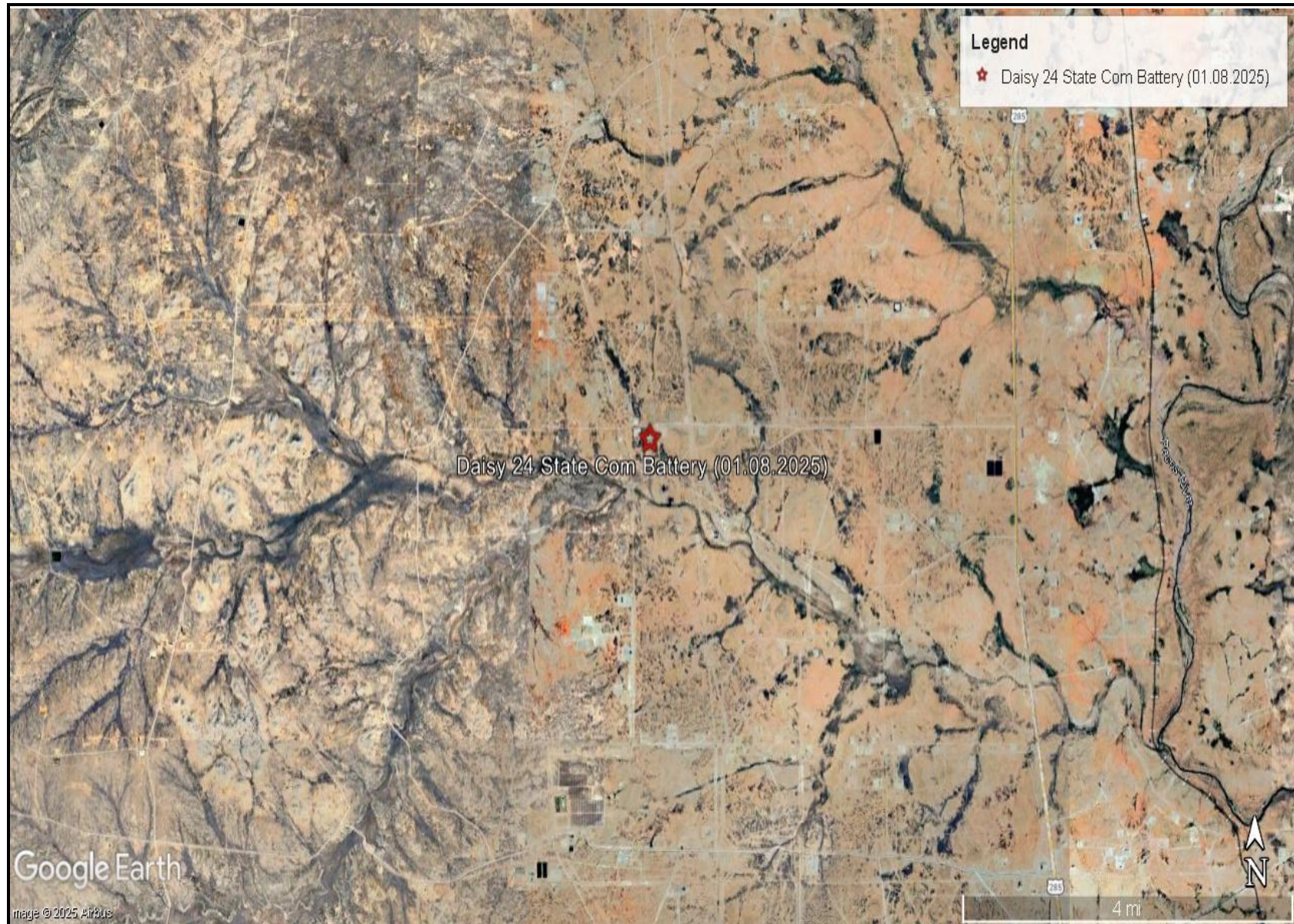
Conner Moehring
Environmental Manager

Ivan Ramos
Project Manager

FIGURES

CARMONA RESOURCES

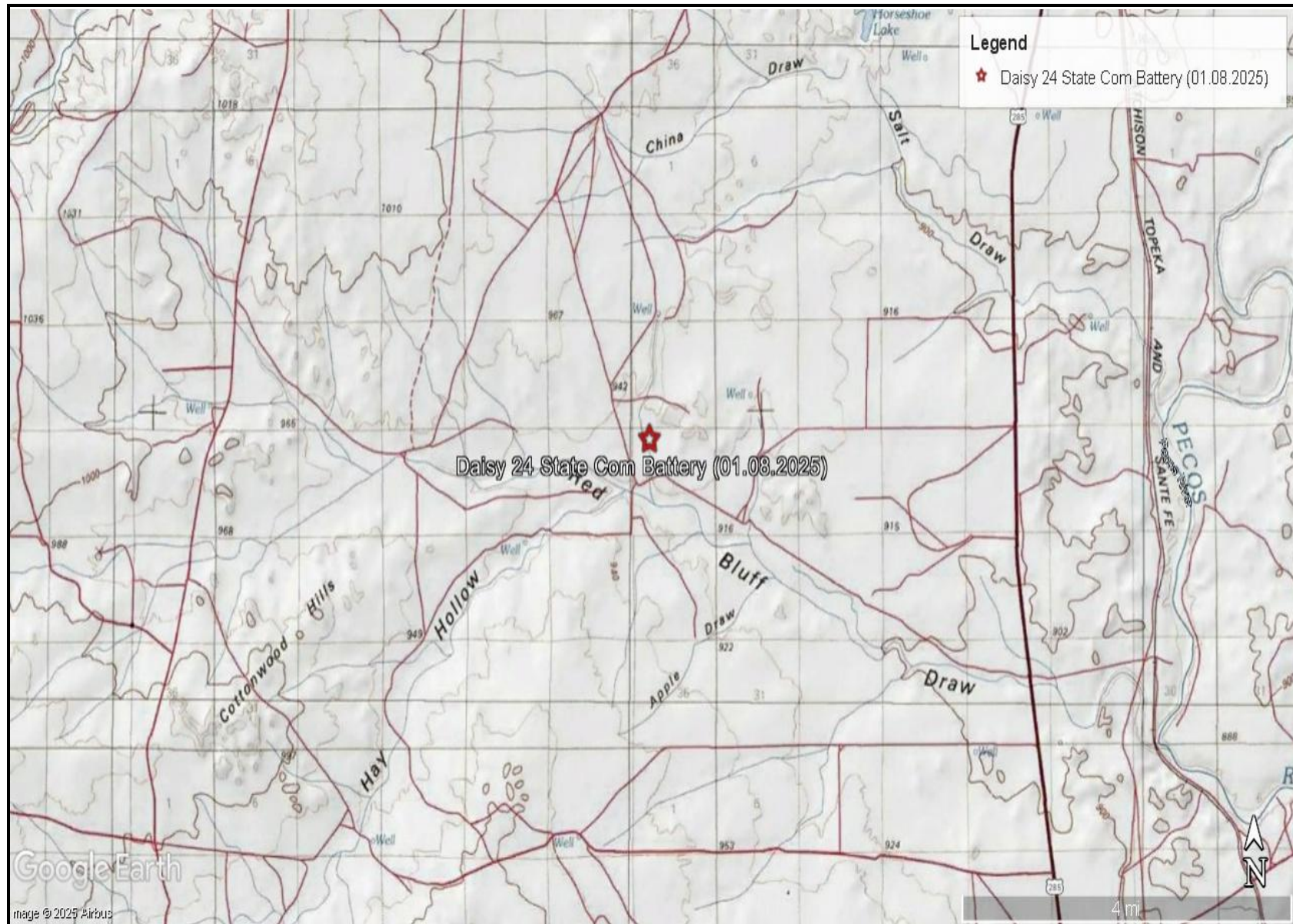




OVERVIEW MAP
COG OPERATING, LLC
DAISY 24 STATE COM BATTERY (01.08.25)
EDDY COUNTY, NEW MEXICO
32.121200°, -104.148500°



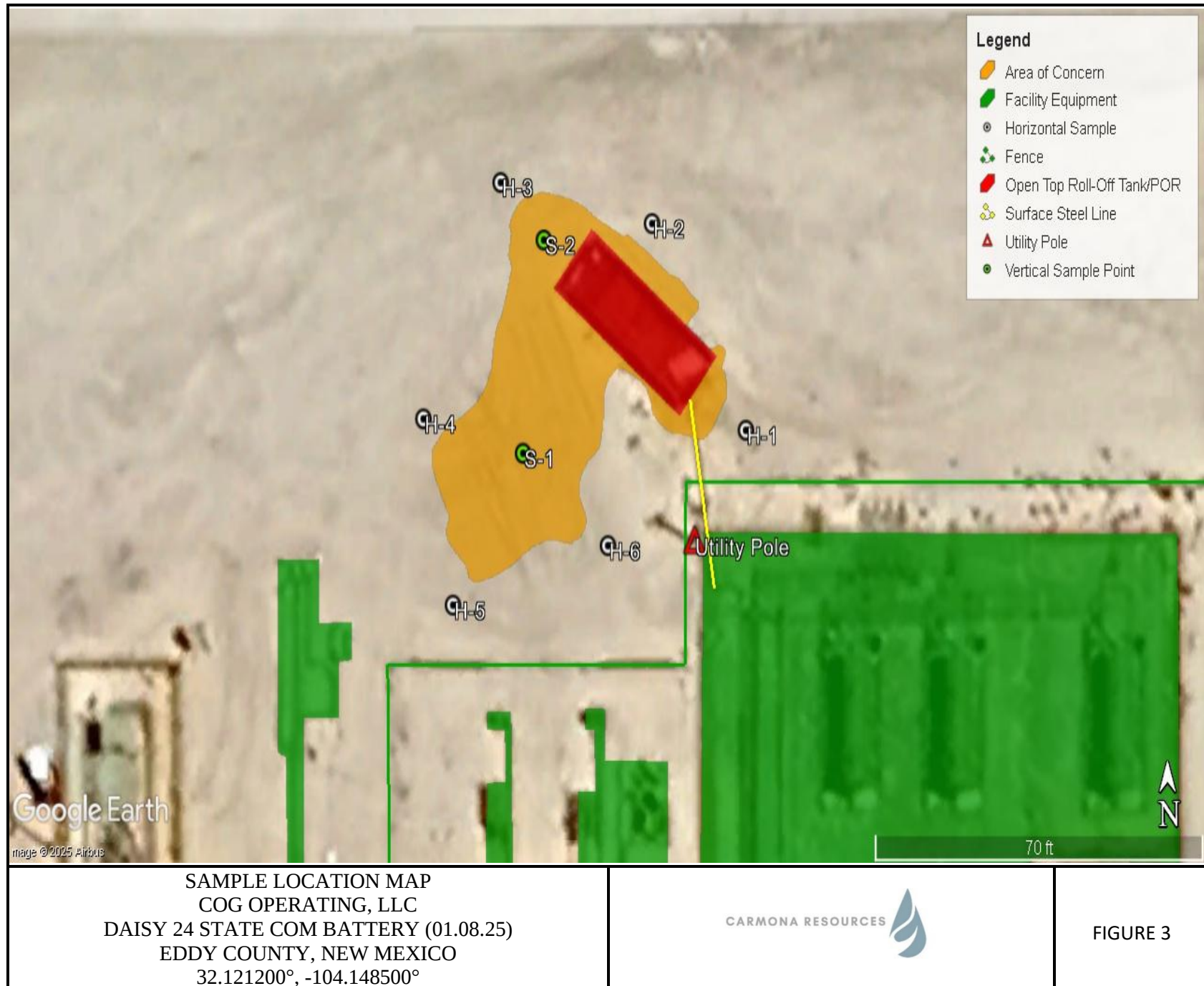
FIGURE 1

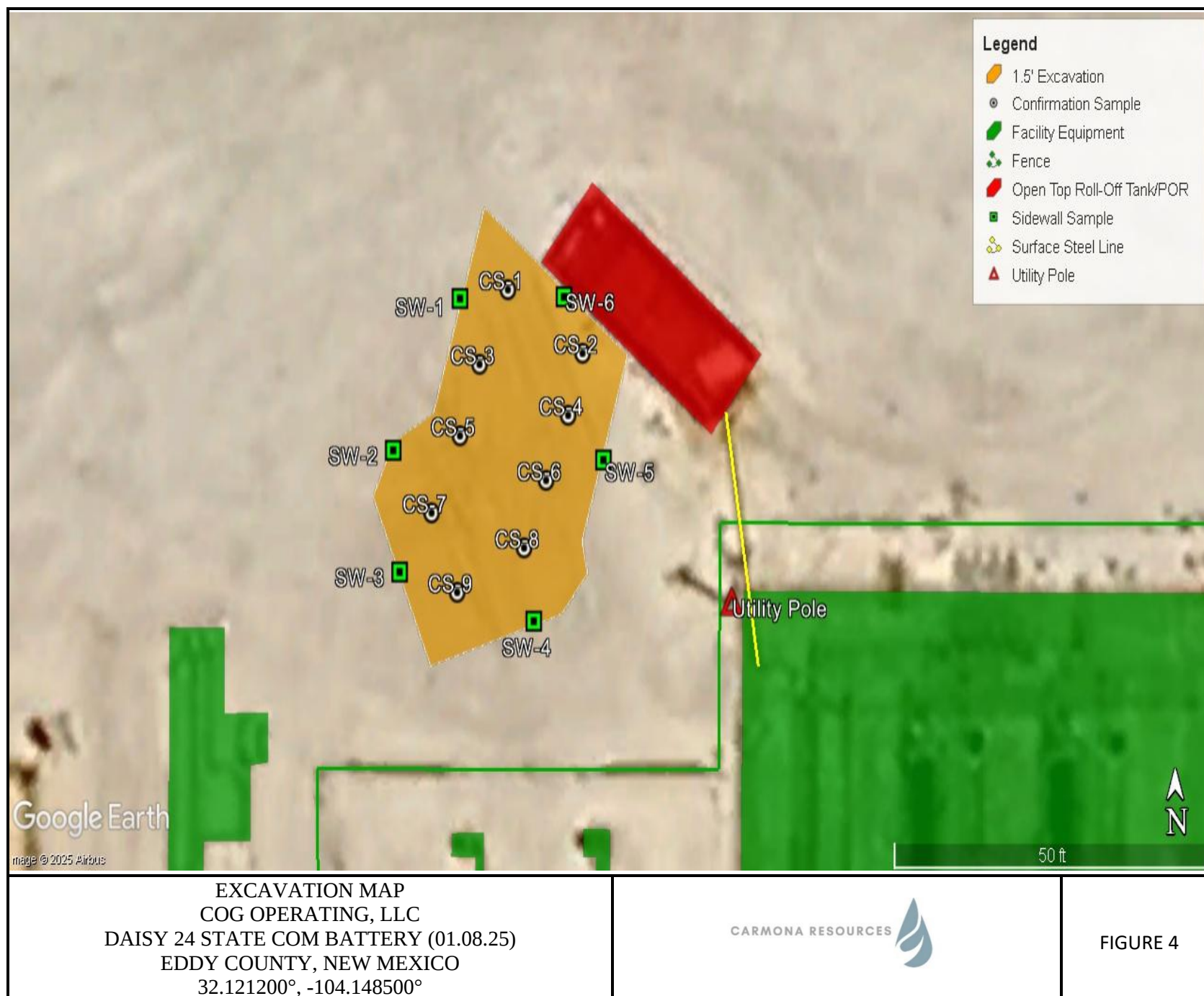


TOPOGRAPHIC MAP
COG OPERATING, LLC
DAISY 24 STATE COM BATTERY (01.08.25)
EDDY COUNTY, NEW MEXICO
32.121200°, -104.148500°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
ConocoPhillips
Daisy 24 State Com Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	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	1/20/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	985
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	184
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	148
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	240
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164
S-2	1/20/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	364
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	131
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	95.9
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	59.9
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.8
H-1	1/20/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.00533	0.00533	27.6
H-2	1/20/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.7
H-3	1/20/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	39.1
H-4	1/20/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	109
H-5	1/20/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	25.3
H-6	1/20/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	25.6
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

Removed

Table 2
ConocoPhillips
Daisy 24 State Com Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	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						
CS-1	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
CS-2	2/25/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.1
CS-3	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	155
CS-4	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	226
CS-5	2/25/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	200
CS-6	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.0
CS-7	2/25/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.9
CS-8	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	71.2
CS-9	2/25/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	73.9
SW-1	2/25/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.8
SW-2	2/25/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.6
SW-3	2/25/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.3
SW-4	2/25/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.8
SW-5	2/25/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.1
SW-6	2/25/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	11.8
Backfill	2/25/2025	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	229
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

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:
View South of facility sign.

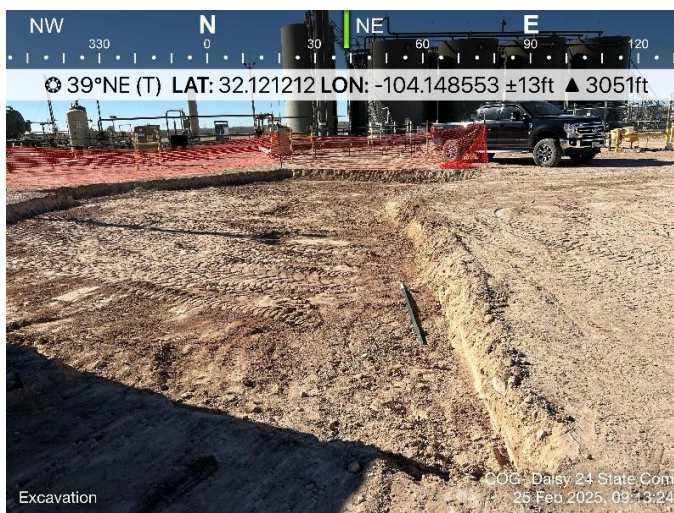


Photograph No. 2

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-1 through CS-4.



Photograph No. 3

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:
View Southeast, area of CS-5 through CS-9.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:

View Northeast of backdragged area.



Photograph No. 5

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.



Photograph No. 6

Facility: Daisy 24 State Com Battery
(01.08.2025)

County: Eddy County, New Mexico

Description:

View South of backfilled area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 428489

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428489
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Daisy State 24 CTB
Date Release Discovered	01/08/2025
Surface Owner	State

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 17 BBL Recovered: 8 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 428489

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428489
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 428489

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428489
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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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 428489

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428489
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/5/2025

Spill Calculation - Subsurface Spill - Rectangle

Remediation Recommendation

Received by OCD: 9/5/2025 8:55:39 AM

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Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd ³)	Current Rule of Thumb: RMR Handover Volume, (yd ³)
Rectangle A	6.0	51.0	3.0	On-Pad✓	10.50%	13.62	1.43	3.54	750
Rectangle B	12.0	15.0	6.0	On-Pad✓	10.50%	16.02	1.68	4.17	
Rectangle C	57.0	27.0	6.0	On-Pad✓	10.50%	136.97	14.38	35.63	
Rectangle D				✓		0.00		0.00	
Rectangle E				✓		0.00		0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Subsurface Volume Released:							17.4938	43.33	BU

Released to Imaging: 10/22/2025 11:32:37 AM

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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 428493

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428493
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2503633866
Incident Name	NAPP2503633866 DAISY STATE 24 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2203350881] DAISY 24 STATE COM BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Daisy State 24 CTB
Date Release Discovered	01/08/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 17 BBL Recovered: 8 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 428493

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428493
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: 02/05/2025
--	---

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 428493

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428493
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	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	
<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	No
<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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 428493

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 428493
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Initial C-141 approved. Please note that the initial C-141 report due date was 1/23/2025.	2/5/2025

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

QUESTIONS

Action 434363

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 434363
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2503633866
Incident Name	NAPP2503633866 DAISY STATE 24 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2203350881] DAISY 24 STATE COM BATTERY

Location of Release Source	
Site Name	Daisy State 24 CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,785
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/25/2025
Time sampling will commence	02:30 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Conner Moehring – 432-813-6823
Please provide any information necessary for navigation to sampling site	Coordinates on C-141

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Oil Conservation Division
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CONDITIONS

Action 434363

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 434363
	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.	2/22/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.19 Miles
- 1.28 Miles
- 1.30 Miles
- 1.65 Miles
- Daisy State 24 CTB
- NMSEO Water Well
- USGS Water Well



High Karst

COG Operating

Legend

- Daisy State 24 CTB
- High
- Medium

Daisy State 24 CTB





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 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03938 POD1	CUB	ED	2	2	2	25	25S	27E	581482	3552616		1913	21	12	9
C 03861 POD1	C	ED	4	2	3	18	25S	28E	582266	3554864		2049	91	63	28
C 03262 POD1	CUB	ED	2	1	2	22	25S	27E	577837	3554244*		2507	75		
C 04371 POD1	CUB	ED	3	3	4	26	25S	27E	579369	3551272		3041	100	69	31
C 03263 POD1	CUB	ED	1	1	1	07	25S	28E	581628	3557501*		3584	133		
C 01573 POD1	C	ED	3	1	4	20	25S	28E	584144	3553361		3882	176	96	80

Average Depth to Water: **60 feet**

Minimum Depth: **12 feet**

Maximum Depth: **96 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 580343.17

Northing (Y): 3554154.2

Radius: 4000

*UTM location was derived from PLSS - see Help

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10/9/23 9:30 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03938 POD1	2	2	2	25	25S	27E	581482	3552616 
Driller License: 1711		Driller Company:		STRAUB CORPORATION					
Driller Name: EDWARD BRYAN									
Drill Start Date: 03/08/2016		Drill Finish Date:		03/08/2016		Plug Date:			
Log File Date: 03/22/2016		PCW Rcv Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size: 2.00		Depth Well:		21 feet		Depth Water: 12 feet			
		Casing Perforations:		Top	Bottom				
				6	21				

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03861 POD1	4	2	3	18	25S	28E	582266	3554864 

Driller License:	1348	Driller Company:	TAYLOR WATER WELL SERVICE		
Driller Name:	TAYLOR, CLINTON E.				
Drill Start Date:	04/26/2015	Drill Finish Date:	04/30/2015	Plug Date:	
Log File Date:	05/04/2015	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	100 GPM
Casing Size:	6.00	Depth Well:	91 feet	Depth Water:	63 feet

Water Bearing Stratifications:	Top	Bottom	Description
	68	91	Other/Unknown

Casing Perforations:	Top	Bottom
	71	91

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POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320738104073301

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320738104073301 25S.28E.18.32441

Eddy County, New Mexico
Latitude 32°07'37.3", Longitude 104°07'38.5" NAD83
Land-surface elevation 3,030.80 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measured)
1948-12-06			D 62610		2963.93	NGVD29	1	Z		
1948-12-06			D 62611		2965.54	NAVD88	1	Z		
1948-12-06			D 72019	66.87			1	Z		
1978-01-12			D 62610		2963.55	NGVD29	1	Z		
1978-01-12			D 62611		2965.16	NAVD88	1	Z		
1978-01-12			D 72019	67.25			1	Z		
1983-02-01			D 62610		2966.25	NGVD29	1	Z		
1983-02-01			D 62611		2967.86	NAVD88	1	Z		
1983-02-01			D 72019	64.55			1	Z		
1987-10-13			D 62610		2965.34	NGVD29	1	Z		
1987-10-13			D 62611		2966.95	NAVD88	1	Z		
1987-10-13			D 72019	65.46			1	Z		
1988-04-07			D 62610		2965.51	NGVD29	1	Z		
1988-04-07			D 62611		2967.12	NAVD88	1	Z		
1988-04-07			D 72019	65.29			1	Z		

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1992-11-04	D	62610	2963.59	NGVD29	P	S	
1992-11-04	D	62611	2965.20	NAVD88	P	S	
1992-11-04	D	72019	67.21		P	S	
1998-01-23	D	62610	2966.13	NGVD29	1	S	
1998-01-23	D	62611	2967.74	NAVD88	1	S	
1998-01-23	D	72019	64.67		1	S	
2003-01-24	D	62610	2963.72	NGVD29	1	S	USGS
2003-01-24	D	62611	2965.33	NAVD88	1	S	USGS
2003-01-24	D	72019	67.08		1	S	USGS

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

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Page Last Modified: 2023-10-09 11:42:56 EDT

0.34 0.3 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320627104101801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320627104101801 25S.27E.27.21242

Eddy County, New Mexico
Latitude 32°06'25.92", Longitude 104°10'27.98" NAD83
Land-surface elevation 3,064 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-02			D 62610		3049.96	NGVD29	1		Z	
1983-02-02			D 62611		3051.58	NAVD88	1		Z	
1983-02-02			D 72019	12.42			1		Z	
1987-10-09			D 62610		3051.85	NGVD29	1		Z	
1987-10-09			D 62611		3053.47	NAVD88	1		Z	
1987-10-09			D 72019	10.53			1		Z	
1992-12-08			D 62610		3050.12	NGVD29	1		S	
1992-12-08			D 62611		3051.74	NAVD88	1		S	
1992-12-08			D 72019	12.26			1		S	
1998-01-07			D 62610		3048.19	NGVD29	1		S	
1998-01-07			D 62611		3049.81	NAVD88	1		S	
1998-01-07			D 72019	14.19			1		S	
2003-01-29			D 62610		3045.95	NGVD29	1		S	USGS
2003-01-29			D 62611		3047.57	NAVD88	1		S	USGS
2003-01-29			D 72019	16.43			1		S	USGS

Date	Time		Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
2022-01-13	14:35 UTC	m	62610	3046.65	NGVD29	1	V	USGS
2022-01-13	14:35 UTC	m	62611	3048.27	NAVD88	1	V	USGS
2022-01-13	14:35 UTC	m	72019	15.73		1	V	USGS
2023-02-14	16:05 UTC	m	62610	3046.27	NGVD29	1	S	USGS
2023-02-14	16:05 UTC	m	62611	3047.89	NAVD88	1	S	USGS
2023-02-14	16:05 UTC	m	72019	16.11		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

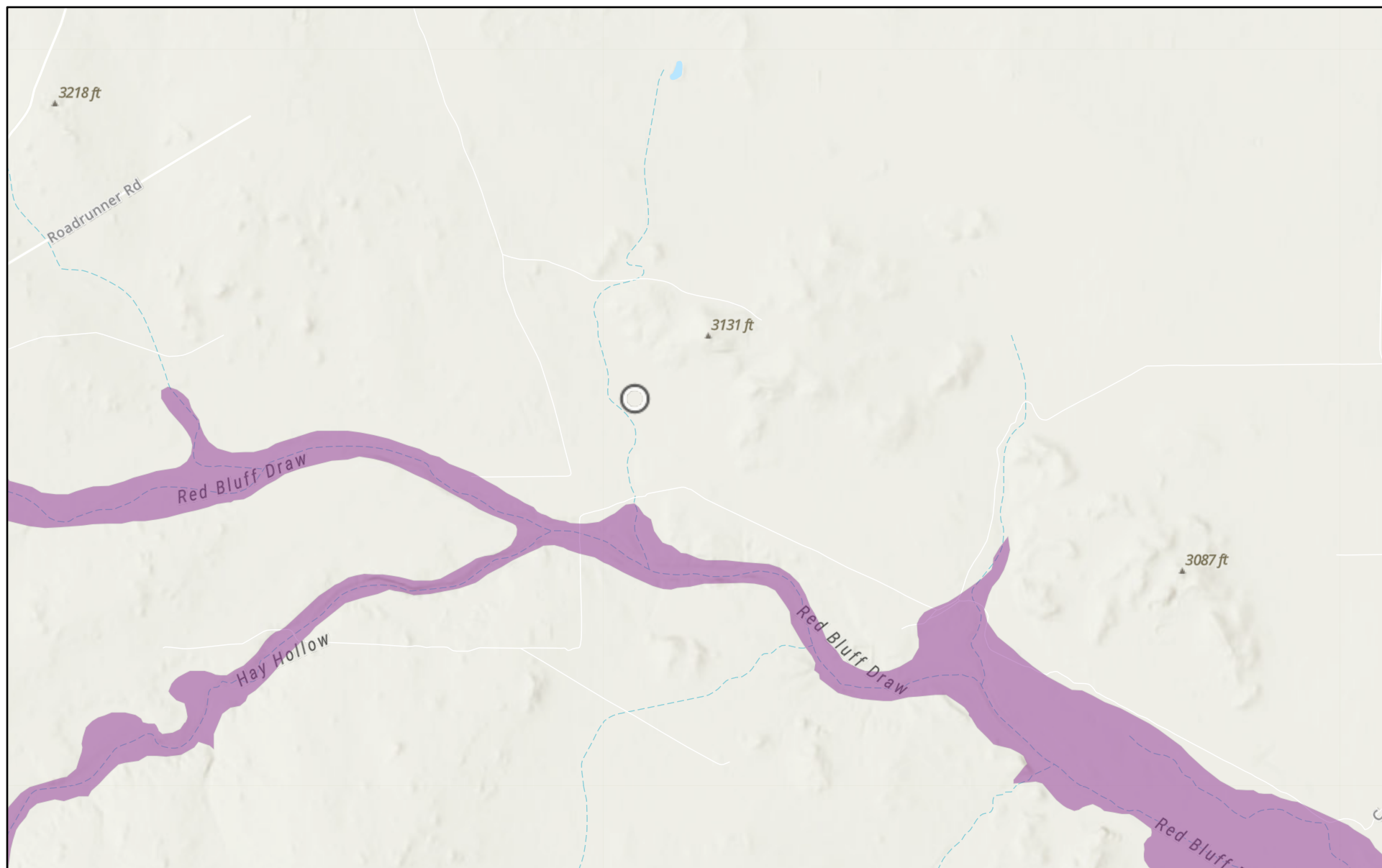
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Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320627104101801&agency_cd=USGS&format=html



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2.89 0.45 nadww01

Daisy State 24 CTB

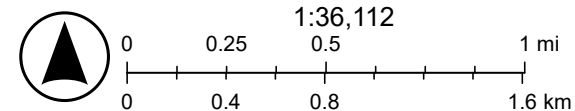


1/20/2025

USA Flood Hazard Areas

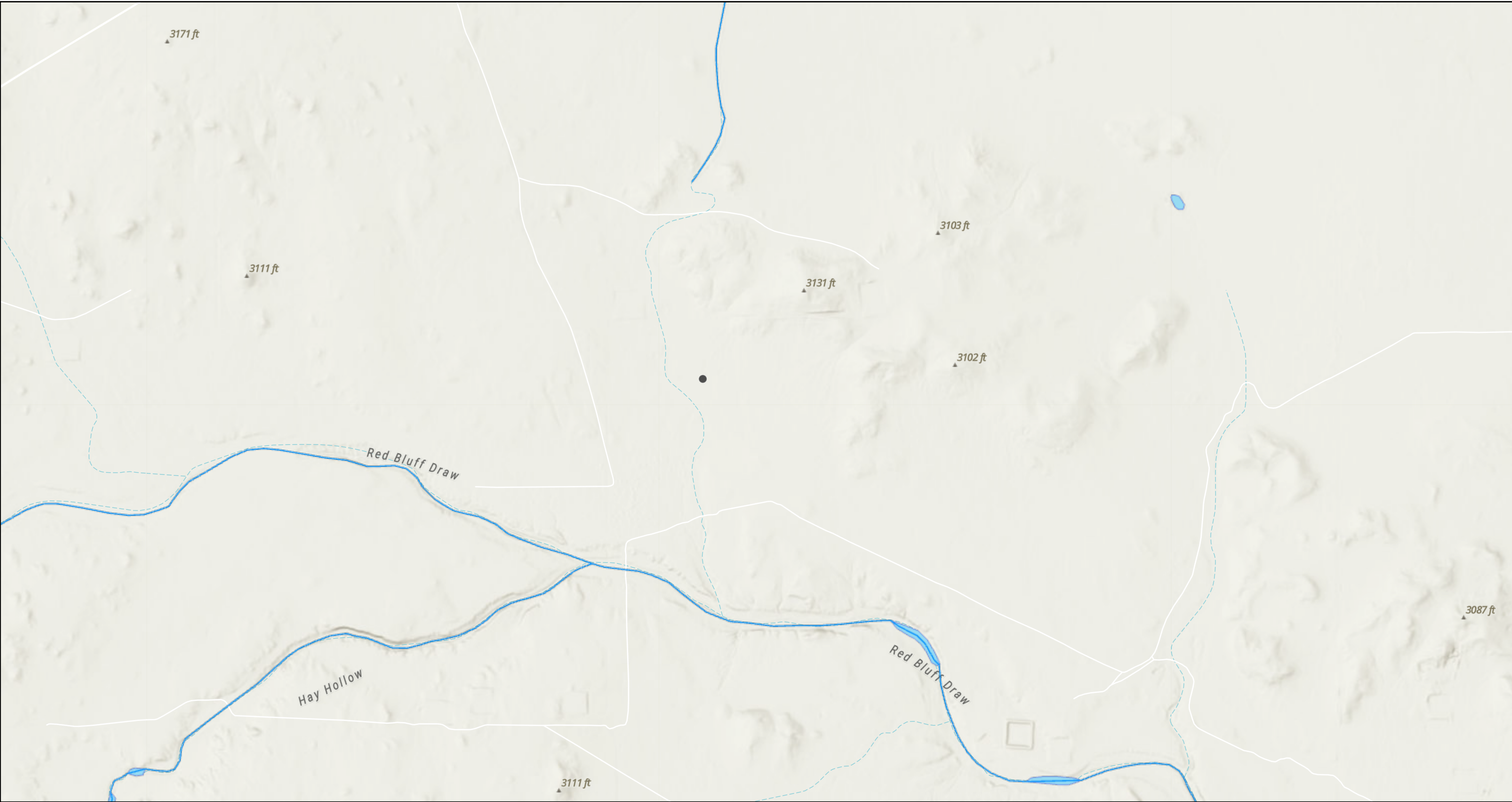
 1% Annual Chance Flood Hazard

World Hillshade



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

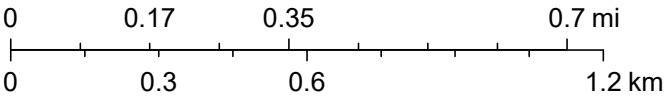
Daisy State 24 CTB



1/20/2025, 9:34:18 AM

- OSW Water Bodys
- OSE Streams

1:18,056



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APPENDIX E

CARMONA RESOURCES





Environment Testing

- 1
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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/23/2025 3:18:29 PM

JOB DESCRIPTION

Daisy 24 State Com Battery
Lea County New Mexico

JOB NUMBER

880-53499-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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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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1/23/2025 3:18:29 PM

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Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Laboratory Job ID: 880-53499-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

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: Daisy 24 State Com Battery

Job ID: 880-53499-1

Job ID: 880-53499-1

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Job Narrative 880-53499-1

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 1/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100822 and analytical batch 880-100857 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-7586-A-8-B MS) and (890-7586-A-8-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100822/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-100824 and analytical batch 880-100861 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100824 and analytical batch 880-100861 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 (0-1') (880-53499-1) and S-1 (1.5') (880-53499-2). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (2') (880-53499-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (1.5') (880-53499-7), S-2 (2') (880-53499-8), S-2 (3') (880-53499-9), S-2 (4') (880-53499-10), (LCSD 880-100824/3-A) and (890-7586-A-22-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-100824/2-A). Percent recoveries are based on the amount spiked.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100844 and analytical batch 880-100873 were outside control limits for one or more analytes. See QC Sample Results for

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Case Narrative

Client: Carmona Resources
Project: Daisy 24 State Com Battery

Job ID: 880-53499-1

Job ID: 880-53499-1 (Continued) **Eurofins Midland**

detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53499-1

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 13:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 13:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 13:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/22/25 08:35	01/22/25 13:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 13:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/22/25 08:35	01/22/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/22/25 08:35	01/22/25 13:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/22/25 08:35	01/22/25 13:43	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			01/22/25 13:43	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			01/22/25 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		01/22/25 10:29	01/22/25 13:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/22/25 10:29	01/22/25 13:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/22/25 10:29	01/22/25 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	01/22/25 10:29	01/22/25 13:30	1
o-Terphenyl	145	S1+	70 - 130	01/22/25 10:29	01/22/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	985		50.3		mg/Kg			01/22/25 20:08	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-53499-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 14:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/22/25 08:35	01/22/25 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 14:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/22/25 08:35	01/22/25 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/22/25 08:35	01/22/25 14:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/22/25 08:35	01/22/25 14:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-53499-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			01/22/25 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/22/25 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	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/22/25 10:29	01/22/25 13:46	1
o-Terphenyl	69	S1-	70 - 130				01/22/25 10:29	01/22/25 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		10.0		mg/Kg			01/22/25 20:16	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-53499-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/22/25 08:35	01/22/25 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/22/25 08:35	01/22/25 14:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/22/25 08:35	01/22/25 14:24	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			01/22/25 14:24	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			01/22/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/21/25 17:06	01/22/25 13:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/21/25 17:06	01/22/25 13:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-53499-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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		01/21/25 17:06	01/22/25 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/21/25 17:06	01/22/25 13:47	1
o-Terphenyl	69	S1-	70 - 130				01/21/25 17:06	01/22/25 13:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		10.0		mg/Kg			01/22/25 20:23	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-53499-4

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/22/25 08:35	01/22/25 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				01/22/25 08:35	01/22/25 14:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130				01/22/25 08:35	01/22/25 14:44	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			01/22/25 14:44	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			01/22/25 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	<50.0	U	50.0		mg/Kg		01/22/25 10:30	01/22/25 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:30	01/22/25 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:30	01/22/25 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				01/22/25 10:30	01/22/25 14:03	1
o-Terphenyl	76		70 - 130				01/22/25 10:30	01/22/25 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		9.96		mg/Kg			01/22/25 20:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-53499-5

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:35	01/22/25 16:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:35	01/22/25 16:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:35	01/22/25 16:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/22/25 08:35	01/22/25 16:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:35	01/22/25 16:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/22/25 08:35	01/22/25 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/22/25 08:35	01/22/25 16:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/22/25 08:35	01/22/25 16:58	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			01/22/25 16:58	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			01/22/25 14:18	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		01/22/25 10:30	01/22/25 14:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:30	01/22/25 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:30	01/22/25 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	01/22/25 10:30	01/22/25 14:18	1
o-Terphenyl	72		70 - 130	01/22/25 10:30	01/22/25 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164	F1	9.98		mg/Kg			01/22/25 20:38	1

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

Lab Sample ID: 880-53499-6

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/22/25 08:35	01/22/25 17:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/22/25 08:35	01/22/25 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/22/25 08:35	01/22/25 17:18	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/22/25 08:35	01/22/25 17:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53499-6

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			01/22/25 17:18	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			01/22/25 14:33	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	<49.8	U	49.8		mg/Kg		01/22/25 10:30	01/22/25 14:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/22/25 10:30	01/22/25 14:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/22/25 10:30	01/22/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				01/22/25 10:30	01/22/25 14:33	1
o-Terphenyl	73		70 - 130				01/22/25 10:30	01/22/25 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	364		9.92		mg/Kg			01/22/25 21:00	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-53499-7

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/22/25 08:35	01/22/25 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/22/25 08:35	01/22/25 17:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/22/25 08:35	01/22/25 17:39	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			01/22/25 17:39	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			01/22/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		01/22/25 10:31	01/22/25 13:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/22/25 10:31	01/22/25 13:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-53499-7

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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		01/22/25 10:31	01/22/25 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				01/22/25 10:31	01/22/25 13:47	1
o-Terphenyl	101		70 - 130				01/22/25 10:31	01/22/25 13:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		9.90		mg/Kg			01/22/25 21:08	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-53499-8

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/22/25 08:35	01/22/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				01/22/25 08:35	01/22/25 17:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/22/25 08:35	01/22/25 17:59	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			01/22/25 17:59	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			01/22/25 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	<50.0	U **	50.0		mg/Kg		01/22/25 10:31	01/22/25 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:31	01/22/25 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:31	01/22/25 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				01/22/25 10:31	01/22/25 14:03	1
o-Terphenyl	106		70 - 130				01/22/25 10:31	01/22/25 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		9.98		mg/Kg			01/22/25 21:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-2 (3')

Lab Sample ID: 880-53499-9

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/22/25 08:35	01/22/25 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/22/25 08:35	01/22/25 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/22/25 08:35	01/22/25 18:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/22/25 08:35	01/22/25 18:20	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			01/22/25 18:20	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			01/22/25 14:18	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		01/22/25 10:31	01/22/25 14:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/22/25 10:31	01/22/25 14:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/22/25 10:31	01/22/25 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	01/22/25 10:31	01/22/25 14:18	1
o-Terphenyl	114		70 - 130	01/22/25 10:31	01/22/25 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.9		9.96		mg/Kg			01/22/25 21:38	1

Client Sample ID: S-2 (4')

Lab Sample ID: 880-53499-10

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/22/25 08:35	01/22/25 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 18:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/22/25 08:35	01/22/25 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/22/25 08:35	01/22/25 18:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/22/25 08:35	01/22/25 18:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-53499-10

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			01/22/25 18:40	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			01/22/25 14:33	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	<49.8	U *+	49.8		mg/Kg		01/22/25 10:31	01/22/25 14:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/22/25 10:31	01/22/25 14:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/22/25 10:31	01/22/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				01/22/25 10:31	01/22/25 14:33	1
o-Terphenyl	103		70 - 130				01/22/25 10:31	01/22/25 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		10.1		mg/Kg			01/22/25 21:45	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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)				
880-53499-1	S-1 (0-1')	112	95				
880-53499-2	S-1 (1.5')	109	94				
880-53499-3	S-1 (2')	109	88				
880-53499-4	S-1 (3')	111	87				
880-53499-5	S-1 (4')	112	95				
880-53499-6	S-2 (0-1')	112	91				
880-53499-7	S-2 (1.5')	110	89				
880-53499-8	S-2 (2')	116	89				
880-53499-9	S-2 (3')	108	92				
880-53499-10	S-2 (4')	120	89				
890-7586-A-7-C MS	Matrix Spike	102	89				
890-7586-A-7-D MSD	Matrix Spike Duplicate	108	90				
LCS 880-100847/1-A	Lab Control Sample	104	91				
LCSD 880-100847/2-A	Lab Control Sample Dup	106	90				
MB 880-100847/5-A	Method Blank	99	84				
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)				
880-53499-1	S-1 (0-1')	146 S1+	145 S1+				
880-53499-2	S-1 (1.5')	69 S1-	69 S1-				
880-53499-3	S-1 (2')	77	69 S1-				
880-53499-4	S-1 (3')	82	76				
880-53499-5	S-1 (4')	79	72				
880-53499-6	S-2 (0-1')	82	73				
880-53499-7	S-2 (1.5')	134 S1+	101				
880-53499-8	S-2 (2')	138 S1+	106				
880-53499-9	S-2 (3')	149 S1+	114				
880-53499-10	S-2 (4')	134 S1+	103				
890-7586-A-8-B MS	Matrix Spike	72	69 S1-				
890-7586-A-8-C MSD	Matrix Spike Duplicate	71	67 S1-				
890-7586-A-15-B MS	Matrix Spike	70	72				
890-7586-A-15-C MSD	Matrix Spike Duplicate	71	75				
890-7586-A-22-B MS	Matrix Spike	120	106				
890-7586-A-22-C MSD	Matrix Spike Duplicate	117	101				
LCS 880-100822/2-A	Lab Control Sample	119	112				
LCS 880-100823/2-A	Lab Control Sample	81	85				
LCS 880-100824/2-A	Lab Control Sample	144 S1+	133 S1+				
LCSD 880-100822/3-A	Lab Control Sample Dup	144 S1+	130				
LCSD 880-100823/3-A	Lab Control Sample Dup	81	84				
LCSD 880-100824/3-A	Lab Control Sample Dup	140 S1+	120				
MB 880-100822/1-A	Method Blank	81	82				
MB 880-100823/1-A	Method Blank	94	88				

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Surrogate Summary

Client: Carmona Resources

Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1

SDG: Lea County New Mexico

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)
MB 880-100824/1-A	Method Blank	188 S1+	153 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100847/5-A

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 11:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 11:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 11:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/22/25 08:35	01/22/25 11:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:35	01/22/25 11:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/22/25 08:35	01/22/25 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/22/25 08:35	01/22/25 11:19	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/22/25 08:35	01/22/25 11:19	1

Lab Sample ID: LCS 880-100847/1-A

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09579		mg/Kg		96	70 - 130
Toluene	0.100	0.08918		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08882		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1889		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09453		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-100847/2-A

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09716		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.08845		mg/Kg		88	70 - 130	1	35
Ethylbenzene	0.100	0.09477		mg/Kg		95	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1936		mg/Kg		97	70 - 130	2	35
o-Xylene	0.100	0.09706		mg/Kg		97	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-7586-A-7-C MS

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09513		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.08476		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-7586-A-7-C MS

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08763		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1793		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.09000		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-7586-A-7-D MSD

Matrix: Solid

Analysis Batch: 100839

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09939		mg/Kg		99	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08755		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08749		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1883		mg/Kg		94	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09411		mg/Kg		94	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-100822/1-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100822

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		01/21/25 17:04	01/22/25 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/21/25 17:04	01/22/25 02:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	01/21/25 17:04	01/22/25 02:13	1
o-Terphenyl	82		70 - 130	01/21/25 17:04	01/22/25 02:13	1

Lab Sample ID: LCS 880-100822/2-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-100822/2-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100822

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-100822/3-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1270		mg/Kg		127	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: 890-7586-A-8-B MS

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	640.4	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	169	F1	997	848.7	F1	mg/Kg		68	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 890-7586-A-8-C MSD

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	612.3	F1	mg/Kg		61	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	169	F1	997	843.3	F1	mg/Kg		68	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	67	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-100823/1-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100823

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		01/21/25 17:06	01/22/25 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/21/25 17:06	01/22/25 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/21/25 17:06	01/22/25 08:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				01/21/25 17:06	01/22/25 08:50	1
o-Terphenyl	88		70 - 130				01/21/25 17:06	01/22/25 08:50	1

Lab Sample ID: LCS 880-100823/2-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	751.1		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	746.2		mg/Kg		75	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	81		70 - 130				
o-Terphenyl	85		70 - 130				

Lab Sample ID: LCSD 880-100823/3-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100823

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	744.7		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	759.1		mg/Kg		76	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	81		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: 890-7586-A-15-B MS

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100823

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	778.4		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	137		998	879.0		mg/Kg		74	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-7586-A-15-B MS

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100823

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 890-7586-A-15-C MSD

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100823

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	755.3		mg/Kg		76	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	137		998	918.7		mg/Kg		78	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	75		70 - 130

Lab Sample ID: MB 880-100824/1-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100824

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		01/21/25 17:08	01/22/25 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/21/25 17:08	01/22/25 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/21/25 17:08	01/22/25 08:50	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				01/21/25 17:08	01/22/25 08:50	1
1-Chlorooctane	188	S1+	70 - 130				01/21/25 17:08	01/22/25 08:50	1
o-Terphenyl	153	S1+	70 - 130				01/21/25 17:08	01/22/25 08:50	1

Lab Sample ID: LCS 880-100824/2-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1318	*+	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1256		mg/Kg		126	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-100824/3-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100824

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1348	*+	mg/Kg		135	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1148		mg/Kg		115	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	140	S1+	70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: 890-7586-A-22-B MS

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	995	1124		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)	74.0		995	1232		mg/Kg		116	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	106		70 - 130								

Lab Sample ID: 890-7586-A-22-C MSD

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100824

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 *+	995	1137		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	74.0		995	1181		mg/Kg		111	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	101		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100844/1-A

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/22/25 18:32	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100844/2-A

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.8		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-100844/3-A

Matrix: Solid

Analysis Batch: 100873

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	272.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-53499-5 MS

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: S-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	164	F1	250	450.9	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 880-53499-5 MSD

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: S-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	164	F1	250	456.7	F1	mg/Kg		117	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 100839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	8021B	100847
880-53499-2	S-1 (1.5')	Total/NA	Solid	8021B	100847
880-53499-3	S-1 (2')	Total/NA	Solid	8021B	100847
880-53499-4	S-1 (3')	Total/NA	Solid	8021B	100847
880-53499-5	S-1 (4')	Total/NA	Solid	8021B	100847
880-53499-6	S-2 (0-1')	Total/NA	Solid	8021B	100847
880-53499-7	S-2 (1.5')	Total/NA	Solid	8021B	100847
880-53499-8	S-2 (2')	Total/NA	Solid	8021B	100847
880-53499-9	S-2 (3')	Total/NA	Solid	8021B	100847
880-53499-10	S-2 (4')	Total/NA	Solid	8021B	100847
MB 880-100847/5-A	Method Blank	Total/NA	Solid	8021B	100847
LCS 880-100847/1-A	Lab Control Sample	Total/NA	Solid	8021B	100847
LCSD 880-100847/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100847
890-7586-A-7-C MS	Matrix Spike	Total/NA	Solid	8021B	100847
890-7586-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100847

Prep Batch: 100847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	5035	
880-53499-2	S-1 (1.5')	Total/NA	Solid	5035	
880-53499-3	S-1 (2')	Total/NA	Solid	5035	
880-53499-4	S-1 (3')	Total/NA	Solid	5035	
880-53499-5	S-1 (4')	Total/NA	Solid	5035	
880-53499-6	S-2 (0-1')	Total/NA	Solid	5035	
880-53499-7	S-2 (1.5')	Total/NA	Solid	5035	
880-53499-8	S-2 (2')	Total/NA	Solid	5035	
880-53499-9	S-2 (3')	Total/NA	Solid	5035	
880-53499-10	S-2 (4')	Total/NA	Solid	5035	
MB 880-100847/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100847/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100847/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7586-A-7-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7586-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-53499-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53499-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-53499-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-53499-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-53499-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-53499-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-53499-8	S-2 (2')	Total/NA	Solid	Total BTEX	
880-53499-9	S-2 (3')	Total/NA	Solid	Total BTEX	
880-53499-10	S-2 (4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

GC Semi VOA

Prep Batch: 100822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-53499-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7586-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7586-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 100823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-53499-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-53499-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-53499-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-100823/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100823/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7586-A-15-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7586-A-15-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 100824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-53499-8	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-53499-9	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-53499-10	S-2 (4')	Total/NA	Solid	8015NM Prep	
MB 880-100824/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100824/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7586-A-22-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7586-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	8015B NM	100822
880-53499-2	S-1 (1.5')	Total/NA	Solid	8015B NM	100822
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015B NM	100822
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100822
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100822
890-7586-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100822
890-7586-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100822

Analysis Batch: 100859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-3	S-1 (2')	Total/NA	Solid	8015B NM	100823
880-53499-4	S-1 (3')	Total/NA	Solid	8015B NM	100823
880-53499-5	S-1 (4')	Total/NA	Solid	8015B NM	100823
880-53499-6	S-2 (0-1')	Total/NA	Solid	8015B NM	100823
MB 880-100823/1-A	Method Blank	Total/NA	Solid	8015B NM	100823
LCS 880-100823/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100823
LCSD 880-100823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100823

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QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 100859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7586-A-15-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100823
890-7586-A-15-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100823

Analysis Batch: 100861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-7	S-2 (1.5')	Total/NA	Solid	8015B NM	100824
880-53499-8	S-2 (2')	Total/NA	Solid	8015B NM	100824
880-53499-9	S-2 (3')	Total/NA	Solid	8015B NM	100824
880-53499-10	S-2 (4')	Total/NA	Solid	8015B NM	100824
MB 880-100824/1-A	Method Blank	Total/NA	Solid	8015B NM	100824
LCS 880-100824/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100824
LCSD 880-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100824
890-7586-A-22-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100824
890-7586-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100824

Analysis Batch: 100972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-53499-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-53499-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-53499-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-53499-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-53499-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-53499-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-53499-8	S-2 (2')	Total/NA	Solid	8015 NM	
880-53499-9	S-2 (3')	Total/NA	Solid	8015 NM	
880-53499-10	S-2 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-53499-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-53499-3	S-1 (2')	Soluble	Solid	DI Leach	
880-53499-4	S-1 (3')	Soluble	Solid	DI Leach	
880-53499-5	S-1 (4')	Soluble	Solid	DI Leach	
880-53499-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-53499-7	S-2 (1.5')	Soluble	Solid	DI Leach	
880-53499-8	S-2 (2')	Soluble	Solid	DI Leach	
880-53499-9	S-2 (3')	Soluble	Solid	DI Leach	
880-53499-10	S-2 (4')	Soluble	Solid	DI Leach	
MB 880-100844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53499-5 MS	S-1 (4')	Soluble	Solid	DI Leach	
880-53499-5 MSD	S-1 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 100873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-1	S-1 (0-1')	Soluble	Solid	300.0	100844

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 100873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53499-2	S-1 (1.5')	Soluble	Solid	300.0	100844
880-53499-3	S-1 (2')	Soluble	Solid	300.0	100844
880-53499-4	S-1 (3')	Soluble	Solid	300.0	100844
880-53499-5	S-1 (4')	Soluble	Solid	300.0	100844
880-53499-6	S-2 (0-1')	Soluble	Solid	300.0	100844
880-53499-7	S-2 (1.5')	Soluble	Solid	300.0	100844
880-53499-8	S-2 (2')	Soluble	Solid	300.0	100844
880-53499-9	S-2 (3')	Soluble	Solid	300.0	100844
880-53499-10	S-2 (4')	Soluble	Solid	300.0	100844
MB 880-100844/1-A	Method Blank	Soluble	Solid	300.0	100844
LCS 880-100844/2-A	Lab Control Sample	Soluble	Solid	300.0	100844
LCSD 880-100844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100844
880-53499-5 MS	S-1 (4')	Soluble	Solid	300.0	100844
880-53499-5 MSD	S-1 (4')	Soluble	Solid	300.0	100844

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53499-1

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100822	01/22/25 10:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 13:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100873	01/22/25 20:08	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-53499-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100822	01/22/25 10:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 13:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 20:16	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-53499-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100823	01/21/25 17:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100859	01/22/25 13:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 20:23	CH	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-53499-4

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 14:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 14:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-1 (3')
Date Collected: 01/20/25 00:00
Date Received: 01/21/25 16:00

Lab Sample ID: 880-53499-4
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			100972	01/22/25 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100823	01/22/25 10:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100859	01/22/25 14:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 20:31	CH	EET MID

Client Sample ID: S-1 (4')
Date Collected: 01/20/25 00:00
Date Received: 01/21/25 16:00

Lab Sample ID: 880-53499-5
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			4.98 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 16:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 14:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100823	01/22/25 10:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100859	01/22/25 14:18	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 20:38	CH	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 01/20/25 00:00
Date Received: 01/21/25 16:00

Lab Sample ID: 880-53499-6
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			4.95 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 17:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100823	01/22/25 10:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100859	01/22/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 21:00	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 01/20/25 00:00
Date Received: 01/21/25 16:00

Lab Sample ID: 880-53499-7
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			5.03 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100824	01/22/25 10:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100861	01/22/25 13:47	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-53499-7

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 21:08	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-53499-8

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100824	01/22/25 10:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100861	01/22/25 14:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 21:30	CH	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-53499-9

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 14:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100824	01/22/25 10:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100861	01/22/25 14:18	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 21:38	CH	EET MID

Client Sample ID: S-2 (4')

Lab Sample ID: 880-53499-10

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100847	01/22/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100839	01/22/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100968	01/22/25 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			100972	01/22/25 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100824	01/22/25 10:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100861	01/22/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 21:45	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	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

- 1
- 2
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Method Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53499-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53499-1	S-1 (0-1')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-2	S-1 (1.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-3	S-1 (2')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-4	S-1 (3')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-5	S-1 (4')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-6	S-2 (0-1')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-7	S-2 (1.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-8	S-2 (2')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-9	S-2 (3')	Solid	01/20/25 00:00	01/21/25 16:00
880-53499-10	S-2 (4')	Solid	01/20/25 00:00	01/21/25 16:00

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Chain of Custody



880-53499 Chain of Custody

Page 1 of 1

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:	mcarmona@camronaresources.com

Project Name:		Daisy 24 State Com Battery	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2631		☐ Routine	☒ Rush													None: NO	DI Water: H ₂ O	
Project Location:	Lea County, New Mexico	Due Date:	72 HR														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	Thermometer ID:	Wet Ice:	Yes	No										H ₃ PO ₄ : HP		
Received Intact:	Yes	No															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:													Zn Acetate+NaOH: Zn		
Total Containers:				Corrected Temperature:													NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grav/Comp	# of Cont	Parameters												Sample Comments											
S-1 (0-1')	1/20/2025		X		G	1	BTX 8021B																							
S-1 (1.5')	1/20/2025		X		G	1	TPH 8015M (GRO + DRO + MRO)																							
S-1 (2')	1/20/2025		X		G	1	Chloride 300.0																							
S-1 (3')	1/20/2025		X		G	1																								
S-1 (4')	1/20/2025		X		G	1																								
S-2 (0-1')	1/20/2025		X		G	1																								
S-2 (1.5')	1/20/2025		X		G	1																								
S-2 (2')	1/20/2025		X		G	1																								
S-2 (3')	1/20/2025		X		G	1																								
S-2 (4')	1/20/2025		X		G	1																								

Comments: Email to Mike Carmona / mcarmona@camronaresources.com and Conner Moehring / Cmoehring@camronaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	1/21/25 1:00	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53499-1

SDG Number: Lea County New Mexico

Login Number: 53499

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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.	True	
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 1/23/2025 3:18:29 PM

JOB DESCRIPTION

Daisy 24 State Com Battery
Lea County New Mexico

JOB NUMBER

880-53497-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/23/2025 3:18:29 PM

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

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Laboratory Job ID: 880-53497-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Daisy 24 State Com Battery

Job ID: 880-53497-1

Job ID: 880-53497-1

Eurofins Midland

Job Narrative 880-53497-1

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 1/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.0°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100821/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100822 and analytical batch 880-100857 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-7586-A-8-B MS) and (890-7586-A-8-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100822/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-100821/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-5 (0-0.5') (880-53497-5). Percent recoveries are based on the amount spiked.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100844 and analytical batch 880-100873 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-1

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:33	01/22/25 13:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:33	01/22/25 13:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/22/25 08:33	01/22/25 13:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/22/25 08:33	01/22/25 13:34	1
o-Xylene	0.00533		0.00199		mg/Kg		01/22/25 08:33	01/22/25 13:34	1
Xylenes, Total	0.00533		0.00398		mg/Kg		01/22/25 08:33	01/22/25 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/22/25 08:33	01/22/25 13:34	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/22/25 08:33	01/22/25 13:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00533		0.00398		mg/Kg			01/22/25 13:34	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			01/22/25 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/22/25 10:28	01/22/25 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/22/25 10:28	01/22/25 13:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/22/25 10:28	01/22/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	01/22/25 10:28	01/22/25 13:02	1
o-Terphenyl	78		70 - 130	01/22/25 10:28	01/22/25 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.6	F1	10.1		mg/Kg			01/22/25 18:54	1

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

Lab Sample ID: 880-53497-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 13:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 13:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 13:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/22/25 08:33	01/22/25 13:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 13:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/22/25 08:33	01/22/25 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/22/25 08:33	01/22/25 13:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/22/25 08:33	01/22/25 13:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			01/22/25 13:54	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			01/22/25 13:16	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		01/22/25 10:28	01/22/25 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:28	01/22/25 13:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:28	01/22/25 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				01/22/25 10:28	01/22/25 13:16	1
o-Terphenyl	84		70 - 130				01/22/25 10:28	01/22/25 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		10.1		mg/Kg			01/22/25 19:17	1

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

Lab Sample ID: 880-53497-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/22/25 08:33	01/22/25 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/22/25 08:33	01/22/25 14:15	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/22/25 08:33	01/22/25 14:15	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			01/22/25 14:15	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			01/22/25 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	<49.9	U	49.9		mg/Kg		01/22/25 10:28	01/22/25 13:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/22/25 10:28	01/22/25 13:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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		01/22/25 10:28	01/22/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				01/22/25 10:28	01/22/25 13:30	1
o-Terphenyl	72		70 - 130				01/22/25 10:28	01/22/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		10.1		mg/Kg			01/22/25 19:24	1

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

Lab Sample ID: 880-53497-4

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/22/25 08:33	01/22/25 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/22/25 08:33	01/22/25 14:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/22/25 08:33	01/22/25 14:35	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			01/22/25 14:35	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			01/22/25 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		01/22/25 10:28	01/22/25 13:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/22/25 10:28	01/22/25 13:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/22/25 10:28	01/22/25 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				01/22/25 10:28	01/22/25 13:46	1
o-Terphenyl	80		70 - 130				01/22/25 10:28	01/22/25 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.96		mg/Kg			01/22/25 19:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-5

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:33	01/22/25 16:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:33	01/22/25 16:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:33	01/22/25 16:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/22/25 08:33	01/22/25 16:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/22/25 08:33	01/22/25 16:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/22/25 08:33	01/22/25 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/22/25 08:33	01/22/25 16:39	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/22/25 08:33	01/22/25 16:39	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			01/22/25 16:39	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			01/22/25 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/22/25 10:29	01/22/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/22/25 10:29	01/22/25 13:02	1
o-Terphenyl	67	S1-	70 - 130	01/22/25 10:29	01/22/25 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		9.98		mg/Kg			01/22/25 19:39	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-53497-6

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:33	01/22/25 17:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:33	01/22/25 17:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:33	01/22/25 17:00	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/22/25 08:33	01/22/25 17:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/22/25 08:33	01/22/25 17:00	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/22/25 08:33	01/22/25 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	01/22/25 08:33	01/22/25 17:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/22/25 08:33	01/22/25 17:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-53497-6

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			01/22/25 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/22/25 13:16	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		01/22/25 10:29	01/22/25 13:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/22/25 10:29	01/22/25 13:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/22/25 10:29	01/22/25 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	01/22/25 10:29	01/22/25 13:16	1
o-Terphenyl	70		70 - 130	01/22/25 10:29	01/22/25 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.6		10.0		mg/Kg			01/22/25 20:01	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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)
880-53497-1	H-1 (0-0.5')	108	98
880-53497-2	H-2 (0-0.5')	106	96
880-53497-3	H-3 (0-0.5')	105	99
880-53497-4	H-4 (0-0.5')	106	97
880-53497-5	H-5 (0-0.5')	107	96
880-53497-6	H-6 (0-0.5')	110	96
890-7586-A-1-G MS	Matrix Spike	94	98
890-7586-A-1-H MSD	Matrix Spike Duplicate	101	100
LCS 880-100846/1-A	Lab Control Sample	98	100
LCSD 880-100846/2-A	Lab Control Sample Dup	99	100
MB 880-100846/5-A	Method Blank	104	94
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)
880-53497-1	H-1 (0-0.5')	81	78
880-53497-2	H-2 (0-0.5')	87	84
880-53497-3	H-3 (0-0.5')	76	72
880-53497-4	H-4 (0-0.5')	84	80
880-53497-5	H-5 (0-0.5')	69 S1-	67 S1-
880-53497-6	H-6 (0-0.5')	72	70
890-7586-A-1-B MS	Matrix Spike	85	82
890-7586-A-1-C MSD	Matrix Spike Duplicate	85	83
890-7586-A-8-B MS	Matrix Spike	72	69 S1-
890-7586-A-8-C MSD	Matrix Spike Duplicate	71	67 S1-
LCS 880-100821/2-A	Lab Control Sample	144 S1+	132 S1+
LCS 880-100822/2-A	Lab Control Sample	119	112
LCSD 880-100821/3-A	Lab Control Sample Dup	131 S1+	122
LCSD 880-100822/3-A	Lab Control Sample Dup	144 S1+	130
MB 880-100821/1-A	Method Blank	109	107
MB 880-100822/1-A	Method Blank	81	82
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100846/5-A

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 11:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/22/25 08:33	01/22/25 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/25 08:33	01/22/25 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/22/25 08:33	01/22/25 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/22/25 08:33	01/22/25 11:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/22/25 08:33	01/22/25 11:09	1

Lab Sample ID: LCS 880-100846/1-A

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09245		mg/Kg		92	70 - 130
Toluene	0.100	0.09507		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09692		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09200		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-100846/2-A

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09302		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.09563		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09757		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130	0	35
o-Xylene	0.100	0.09264		mg/Kg		93	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7586-A-1-G MS

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08405		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08557		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-7586-A-1-G MS

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08327		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1551		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.100	0.07799		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7586-A-1-H MSD

Matrix: Solid

Analysis Batch: 100838

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08561		mg/Kg		86	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08540		mg/Kg		85	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.08385		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1580		mg/Kg		79	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.07922		mg/Kg		79	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-100821/1-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100821

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		01/21/25 17:02	01/22/25 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/21/25 17:02	01/22/25 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/21/25 17:02	01/22/25 02:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	01/21/25 17:02	01/22/25 02:13	1
o-Terphenyl	107		70 - 130	01/21/25 17:02	01/22/25 02:13	1

Lab Sample ID: LCS 880-100821/2-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1265		mg/Kg		127	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-100821/2-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100821

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: LCSD 880-100821/3-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100821

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	939.2		mg/Kg		94	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1167		mg/Kg		117	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-7586-A-1-B MS

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100821

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	765.9		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	139		998	880.0		mg/Kg		74	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-7586-A-1-C MSD

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100821

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	767.0		mg/Kg		77	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	139		998	890.5		mg/Kg		75	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	83		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-100822/1-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100822

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		01/21/25 17:04	01/22/25 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				01/21/25 17:04	01/22/25 02:13	1
o-Terphenyl	82		70 - 130				01/21/25 17:04	01/22/25 02:13	1

Lab Sample ID: LCS 880-100822/2-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	119		70 - 130				
o-Terphenyl	112		70 - 130				

Lab Sample ID: LCSD 880-100822/3-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1270		mg/Kg		127	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	144	S1+	70 - 130						
o-Terphenyl	130		70 - 130						

Lab Sample ID: 890-7586-A-8-B MS

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	640.4	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	169	F1	997	848.7	F1	mg/Kg		68	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-7586-A-8-B MS

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 100822

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 890-7586-A-8-C MSD

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 100822

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	612.3	F1	mg/Kg		61	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	169	F1	997	843.3	F1	mg/Kg		68	70 - 130	1	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	71		70 - 130									
o-Terphenyl	67	S1-	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100844/1-A

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0		mg/Kg			01/22/25 18:32	1		

Lab Sample ID: LCS 880-100844/2-A

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	273.8		mg/Kg		110	90 - 110			

Lab Sample ID: LCSD 880-100844/3-A

Matrix: Solid

Analysis Batch: 100873

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride	250	272.5		mg/Kg		109	90 - 110	0	20		

Lab Sample ID: 880-53497-1 MS

Matrix: Solid

Analysis Batch: 100873

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

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	27.6	F1	252	316.8	F1	mg/Kg		115	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-53497-1 MSD					Client Sample ID: H-1 (0-0.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 100873												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	27.6	F1	252	315.7	F1	mg/Kg		114	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 100838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	8021B	100846
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	8021B	100846
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	8021B	100846
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	8021B	100846
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	8021B	100846
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	8021B	100846
MB 880-100846/5-A	Method Blank	Total/NA	Solid	8021B	100846
LCS 880-100846/1-A	Lab Control Sample	Total/NA	Solid	8021B	100846
LCSD 880-100846/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100846
890-7586-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	100846
890-7586-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100846

Prep Batch: 100846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-100846/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100846/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100846/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7586-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-7586-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-100821/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100821/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7586-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7586-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

GC Semi VOA

Prep Batch: 100822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7586-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7586-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	100821
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	100821
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	100821
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	100821
MB 880-100821/1-A	Method Blank	Total/NA	Solid	8015B NM	100821
LCS 880-100821/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100821
LCSD 880-100821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100821
890-7586-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100821
890-7586-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100821

Analysis Batch: 100857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	100822
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	100822
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015B NM	100822
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100822
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100822
890-7586-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100822
890-7586-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100822

Analysis Batch: 100957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-53497-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-53497-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-53497-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-53497-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-53497-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-100844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 100844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-100844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53497-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-53497-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 100873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53497-1	H-1 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-2	H-2 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-3	H-3 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-4	H-4 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-5	H-5 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-6	H-6 (0-0.5')	Soluble	Solid	300.0	100844
MB 880-100844/1-A	Method Blank	Soluble	Solid	300.0	100844
LCS 880-100844/2-A	Lab Control Sample	Soluble	Solid	300.0	100844
LCSD 880-100844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100844
880-53497-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	100844
880-53497-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	100844

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-1

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			100957	01/22/25 13:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100821	01/22/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 13:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 18:54	CH	EET MID

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

Lab Sample ID: 880-53497-2

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 13:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			100957	01/22/25 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100821	01/22/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 13:16	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 19:17	CH	EET MID

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

Lab Sample ID: 880-53497-3

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			100957	01/22/25 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100821	01/22/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 13:30	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 19:24	CH	EET MID

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

Lab Sample ID: 880-53497-4

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 14:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-53497-4

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

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			100957	01/22/25 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100821	01/22/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 13:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 19:31	CH	EET MID

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

Lab Sample ID: 880-53497-5

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			100957	01/22/25 13:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100822	01/22/25 10:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 13:02	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 19:39	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-53497-6

Date Collected: 01/20/25 00:00

Matrix: Solid

Date Received: 01/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100846	01/22/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100838	01/22/25 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100966	01/22/25 17:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			100957	01/22/25 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100822	01/22/25 10:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 13:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100844	01/22/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100873	01/22/25 20:01	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	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: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-53497-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53497-1	H-1 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53497-2	H-2 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53497-3	H-3 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53497-4	H-4 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53497-5	H-5 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00
880-53497-6	H-6 (0-0.5')	Solid	01/20/25 00:00	01/21/25 16:00

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Chain of Custody



880-53497 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

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:		Daisy 24 State Com Battery		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2631	☐ Routine	☒ Rush	Due Date:	72 HR														None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico																		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	Thermometer ID:	Wet Ice:	Yes No													H ₃ PO ₄ : HP	
Received Intact:	Yes No																		NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A			Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes No N/A			Temperature Reading:		-5.9													Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:		-6.0													NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
H-1 (0-0.5')		1/20/2025		X		G	1	X	X	X										
H-2 (0-0.5')		1/20/2025		X		G	1	X	X	X										
H-3 (0-0.5')		1/20/2025		X		G	1	X	X	X										
H-4 (0-0.5')		1/20/2025		X		G	1	X	X	X										
H-5 (0-0.5')		1/20/2025		X		G	1	X	X	X										
H-6 (0-0.5')		1/20/2025		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
	1/21/25 1:00		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53497-1

SDG Number: Lea County New Mexico

Login Number: 53497

List Number: 1

List Source: Eurofins Midland

Creator: Kramer, Jessica

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.	True	
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 2/27/2025 1:53:58 PM

JOB DESCRIPTION

Daisy 24 State Com Battery
Eddy County, New Mexico

JOB NUMBER

880-54884-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Laboratory Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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: Daisy 24 State Com Battery

Job ID: 880-54884-1

Job ID: 880-54884-1

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Job Narrative 880-54884-1

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

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

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

Receipt

The samples were received on 2/26/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.9°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-103734 and analytical batch 880-103721 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-54884-1

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 16:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 16:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/26/25 10:58	02/26/25 16:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/26/25 10:58	02/26/25 16:30	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			02/26/25 16:30	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			02/26/25 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	02/26/25 10:36	02/26/25 18:31	1
o-Terphenyl	90		70 - 130	02/26/25 10:36	02/26/25 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 08:36	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54884-2

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 16:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 16:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/26/25 10:58	02/26/25 16:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/26/25 10:58	02/26/25 16:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54884-2

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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			02/26/25 16:51	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			02/26/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 18:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 18:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				02/26/25 10:36	02/26/25 18:47	1
o-Terphenyl	97		70 - 130				02/26/25 10:36	02/26/25 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.1		9.96		mg/Kg			02/26/25 19:46	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54884-3

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 17:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 17:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				02/26/25 10:58	02/26/25 17:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/26/25 10:58	02/26/25 17:11	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			02/26/25 17:11	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			02/26/25 19:01	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		02/26/25 10:36	02/26/25 19:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54884-3

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:36	02/26/25 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				02/26/25 10:36	02/26/25 19:01	1
o-Terphenyl	89		70 - 130				02/26/25 10:36	02/26/25 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		9.94		mg/Kg			02/26/25 20:08	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-54884-4

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 17:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 17:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 17:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 10:58	02/26/25 17:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 17:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 10:58	02/26/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				02/26/25 10:58	02/26/25 17:32	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/26/25 10:58	02/26/25 17:32	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			02/26/25 17:32	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			02/26/25 19:16	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		02/26/25 10:36	02/26/25 19:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/26/25 10:36	02/26/25 19:16	1
o-Terphenyl	91		70 - 130				02/26/25 10:36	02/26/25 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		9.92		mg/Kg			02/26/25 20:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-54884-5

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 17:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/26/25 10:58	02/26/25 17:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/26/25 10:58	02/26/25 17:52	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			02/26/25 17:52	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			02/26/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	02/26/25 10:36	02/26/25 19:31	1
o-Terphenyl	91		70 - 130	02/26/25 10:36	02/26/25 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		10.0		mg/Kg			02/26/25 20:22	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-54884-6

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/26/25 10:58	02/26/25 18:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/26/25 10:58	02/26/25 18:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-54884-6

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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			02/26/25 18:13	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			02/26/25 19:46	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	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:36	02/26/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				02/26/25 10:36	02/26/25 19:46	1
o-Terphenyl	97		70 - 130				02/26/25 10:36	02/26/25 19:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.0		10.1		mg/Kg			02/26/25 20:30	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-54884-7

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 10:58	02/26/25 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 10:58	02/26/25 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				02/26/25 10:58	02/26/25 18:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/26/25 10:58	02/26/25 18:33	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			02/26/25 18:33	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			02/26/25 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 20:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-54884-7

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:36	02/26/25 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				02/26/25 10:36	02/26/25 20:03	1
o-Terphenyl	92		70 - 130				02/26/25 10:36	02/26/25 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		9.96		mg/Kg			02/26/25 20:37	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-54884-8

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 18:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 18:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 18:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				02/26/25 10:58	02/26/25 18:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/26/25 10:58	02/26/25 18:54	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			02/26/25 18:54	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			02/26/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		02/26/25 10:40	02/26/25 17:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 17:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/26/25 10:40	02/26/25 17:47	1
o-Terphenyl	79		70 - 130				02/26/25 10:40	02/26/25 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.2		9.92		mg/Kg			02/26/25 20:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-54884-9

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 19:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 19:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 19:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 19:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 19:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/26/25 10:58	02/26/25 19:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/26/25 10:58	02/26/25 19:14	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			02/26/25 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/26/25 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/26/25 10:40	02/26/25 18:31	1
o-Terphenyl	81		70 - 130	02/26/25 10:40	02/26/25 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.9		9.98		mg/Kg			02/26/25 21:07	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-54884-10

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 19:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/26/25 10:58	02/26/25 19:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/26/25 10:58	02/26/25 19:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/26/25 10:58	02/26/25 19:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/26/25 10:58	02/26/25 19:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/26/25 10:58	02/26/25 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/26/25 10:58	02/26/25 19:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/26/25 10:58	02/26/25 19:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-54884-10

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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			02/26/25 19:35	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			02/26/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 18:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 18:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/26/25 10:40	02/26/25 18:47	1
o-Terphenyl	76		70 - 130				02/26/25 10:40	02/26/25 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		10.0		mg/Kg			02/26/25 21:14	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-54884-11

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 21:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 21:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 21:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 10:58	02/26/25 21:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 10:58	02/26/25 21:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 10:58	02/26/25 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				02/26/25 10:58	02/26/25 21:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/26/25 10:58	02/26/25 21:09	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			02/26/25 21:09	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			02/26/25 19:01	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		02/26/25 10:40	02/26/25 19:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 19:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-54884-11

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:40	02/26/25 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/26/25 10:40	02/26/25 19:01	1
o-Terphenyl	84		70 - 130				02/26/25 10:40	02/26/25 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		10.1		mg/Kg			02/27/25 07:55	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-54884-12

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 21:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 21:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 21:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 21:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 21:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 10:58	02/26/25 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/26/25 10:58	02/26/25 21:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/26/25 10:58	02/26/25 21:30	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			02/26/25 21:30	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			02/26/25 19:16	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		02/26/25 10:40	02/26/25 19:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 19:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/26/25 10:40	02/26/25 19:16	1
o-Terphenyl	79		70 - 130				02/26/25 10:40	02/26/25 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		9.94		mg/Kg			02/27/25 08:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-54884-13

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 21:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 21:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 21:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 21:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 21:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/26/25 10:58	02/26/25 21:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/26/25 10:58	02/26/25 21:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/26/25 21:50	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			02/26/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/26/25 10:40	02/26/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 10:40	02/26/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 10:40	02/26/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/26/25 10:40	02/26/25 19:31	1
o-Terphenyl	80		70 - 130	02/26/25 10:40	02/26/25 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		9.92		mg/Kg			02/27/25 08:43	1

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-54884-14

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 22:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 22:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 22:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 22:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 10:58	02/26/25 22:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 10:58	02/26/25 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/26/25 10:58	02/26/25 22:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/26/25 10:58	02/26/25 22:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-54884-14

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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			02/26/25 22:11	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			02/26/25 19:46	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	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 19:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				02/26/25 10:40	02/26/25 19:46	1
o-Terphenyl	80		70 - 130				02/26/25 10:40	02/26/25 19:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		10.0		mg/Kg			02/27/25 08:50	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-54884-15

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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		02/26/25 10:58	02/26/25 22:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/26/25 10:58	02/26/25 22:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/26/25 10:58	02/26/25 22:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/26/25 10:58	02/26/25 22:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/26/25 10:58	02/26/25 22:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/26/25 10:58	02/26/25 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/26/25 10:58	02/26/25 22:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/26/25 10:58	02/26/25 22:31	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			02/26/25 22:31	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			02/26/25 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 20:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 20:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1.5')
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 09:30

Lab Sample ID: 880-54884-15
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		02/26/25 10:40	02/26/25 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/26/25 10:40	02/26/25 20:03	1
o-Terphenyl	83		70 - 130				02/26/25 10:40	02/26/25 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		9.96		mg/Kg			02/27/25 08:58	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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)
880-54884-1	CS-1 (1.5')	98	99
880-54884-1 MS	CS-1 (1.5')	101	98
880-54884-1 MSD	CS-1 (1.5')	95	106
880-54884-2	CS-2 (1.5')	88	101
880-54884-3	CS-3 (1.5')	94	98
880-54884-4	CS-4 (1.5')	99	96
880-54884-5	CS-5 (1.5')	99	100
880-54884-6	CS-6 (1.5')	99	97
880-54884-7	CS-7 (1.5')	101	98
880-54884-8	CS-8 (1.5')	94	98
880-54884-9	CS-9 (1.5')	100	98
880-54884-10	SW-1 (1.5')	97	100
880-54884-11	SW-2 (1.5')	99	96
880-54884-12	SW-3 (1.5')	93	100
880-54884-13	SW-4 (1.5')	98	102
880-54884-14	SW-5 (1.5')	91	101
880-54884-15	SW-6 (1.5')	97	99
LCS 880-103739/1-A	Lab Control Sample	92	98
LCSD 880-103739/2-A	Lab Control Sample Dup	96	100
MB 880-103739/5-A	Method Blank	94	88
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)
880-54883-A-1-B MS	Matrix Spike	86	81
880-54883-A-1-C MSD	Matrix Spike Duplicate	86	80
880-54884-1	CS-1 (1.5')	94	90
880-54884-2	CS-2 (1.5')	100	97
880-54884-3	CS-3 (1.5')	90	89
880-54884-4	CS-4 (1.5')	95	91
880-54884-5	CS-5 (1.5')	93	91
880-54884-6	CS-6 (1.5')	98	97
880-54884-7	CS-7 (1.5')	91	92
880-54884-8	CS-8 (1.5')	82	79
880-54884-8 MS	CS-8 (1.5')	86	77
880-54884-8 MSD	CS-8 (1.5')	87	78
880-54884-9	CS-9 (1.5')	85	81
880-54884-10	SW-1 (1.5')	80	76
880-54884-11	SW-2 (1.5')	89	84
880-54884-12	SW-3 (1.5')	83	79
880-54884-13	SW-4 (1.5')	86	80
880-54884-14	SW-5 (1.5')	86	80
880-54884-15	SW-6 (1.5')	88	83

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Surrogate Summary

Client: Carmona Resources

Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1

SDG: Eddy County, New Mexico

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)
LCS 880-103733/2-A	Lab Control Sample	91	82
LCS 880-103734/2-A	Lab Control Sample	87	76
LCSD 880-103733/3-A	Lab Control Sample Dup	92	81
LCSD 880-103734/3-A	Lab Control Sample Dup	87	76
MB 880-103733/1-A	Method Blank	95	86
MB 880-103734/1-A	Method Blank	88	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103739/5-A

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 16:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 10:58	02/26/25 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 10:58	02/26/25 16:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 10:58	02/26/25 16:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	02/26/25 10:58	02/26/25 16:09	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/26/25 10:58	02/26/25 16:09	1

Lab Sample ID: LCS 880-103739/1-A

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1145		mg/Kg		115	70 - 130
Toluene	0.100	0.1192		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1148		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2091		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1094		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-103739/2-A

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1176		mg/Kg		118	70 - 130	3	35
Toluene	0.100	0.1205		mg/Kg		120	70 - 130	1	35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130	0	35
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130	1	35

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

Lab Sample ID: 880-54884-1 MS

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 103739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.09467		mg/Kg		95	70 - 130
Toluene	<0.00199	U	0.100	0.09953		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-54884-1 MS

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 103739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.09502		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1771		mg/Kg		89	70 - 130
o-Xylene	<0.00199	U	0.100	0.08993		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-54884-1 MSD

Matrix: Solid

Analysis Batch: 103746

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 103739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1000		mg/Kg		100	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.09421		mg/Kg		94	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.08784		mg/Kg		88	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1606		mg/Kg		80	70 - 130	10	35
o-Xylene	<0.00199	U	0.100	0.08225		mg/Kg		82	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-103733/1-A

Matrix: Solid

Analysis Batch: 103718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103733

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		02/26/25 10:36	02/26/25 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/26/25 10:36	02/26/25 16:59	1
o-Terphenyl	86		70 - 130	02/26/25 10:36	02/26/25 16:59	1

Lab Sample ID: LCS 880-103733/2-A

Matrix: Solid

Analysis Batch: 103718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1038		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	909.4		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-103733/2-A
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103733

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-103733/3-A
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	936.3		mg/Kg		94	70 - 130	3	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		92		70 - 130					
o-Terphenyl		81		70 - 130					

Lab Sample ID: 880-54883-A-1-B MS
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	855.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	783.1		mg/Kg		79	70 - 130		
Surrogate		MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane		86		70 - 130							
o-Terphenyl		81		70 - 130							

Lab Sample ID: 880-54883-A-1-C MSD
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103733

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	996	864.3		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	785.5		mg/Kg		79	70 - 130	0	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		86		70 - 130							
o-Terphenyl		80		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-103734/1-A

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103734

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		02/26/25 10:39	02/26/25 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/26/25 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/26/25 16:59	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/26/25 10:39	02/26/25 16:59	1
o-Terphenyl	79		70 - 130				02/26/25 10:39	02/26/25 16:59	1

Lab Sample ID: LCS 880-103734/2-A

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	960.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	946.6		mg/Kg		95	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	87		70 - 130				
o-Terphenyl	76		70 - 130				

Lab Sample ID: LCSD 880-103734/3-A

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.1		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	917.1		mg/Kg		92	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	76		70 - 130						

Lab Sample ID: 880-54884-8 MS

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: CS-8 (1.5')

Prep Type: Total/NA

Prep Batch: 103734

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 F1	998	687.8	F1	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	753.9		mg/Kg		76	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-54884-8 MS

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: CS-8 (1.5')

Prep Type: Total/NA

Prep Batch: 103734

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-54884-8 MSD

Matrix: Solid

Analysis Batch: 103721

Client Sample ID: CS-8 (1.5')

Prep Type: Total/NA

Prep Batch: 103734

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	807.7		mg/Kg		81	70 - 130	16	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	771.8		mg/Kg		77	70 - 130	2	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	78		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103738/1-A

Matrix: Solid

Analysis Batch: 103744

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0		mg/Kg			02/26/25 18:39	1		

Lab Sample ID: LCS 880-103738/2-A

Matrix: Solid

Analysis Batch: 103744

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	253.8		mg/Kg		102	90 - 110			

Lab Sample ID: LCSD 880-103738/3-A

Matrix: Solid

Analysis Batch: 103744

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride	250	257.1		mg/Kg		103	90 - 110	1	20		

Lab Sample ID: 880-54884-8 MS

Matrix: Solid

Analysis Batch: 103744

Client Sample ID: CS-8 (1.5')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	71.2		248	334.9		mg/Kg		106	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54884-8 MSD

Client Sample ID: CS-8 (1.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 103744

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	71.2		248	329.9		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 103739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-54884-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-54884-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-54884-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-54884-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-54884-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-54884-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-54884-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-54884-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-54884-10	SW-1 (1.5')	Total/NA	Solid	5035	
880-54884-11	SW-2 (1.5')	Total/NA	Solid	5035	
880-54884-12	SW-3 (1.5')	Total/NA	Solid	5035	
880-54884-13	SW-4 (1.5')	Total/NA	Solid	5035	
880-54884-14	SW-5 (1.5')	Total/NA	Solid	5035	
880-54884-15	SW-6 (1.5')	Total/NA	Solid	5035	
MB 880-103739/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103739/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103739/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54884-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-54884-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 103746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	8021B	103739
880-54884-2	CS-2 (1.5')	Total/NA	Solid	8021B	103739
880-54884-3	CS-3 (1.5')	Total/NA	Solid	8021B	103739
880-54884-4	CS-4 (1.5')	Total/NA	Solid	8021B	103739
880-54884-5	CS-5 (1.5')	Total/NA	Solid	8021B	103739
880-54884-6	CS-6 (1.5')	Total/NA	Solid	8021B	103739
880-54884-7	CS-7 (1.5')	Total/NA	Solid	8021B	103739
880-54884-8	CS-8 (1.5')	Total/NA	Solid	8021B	103739
880-54884-9	CS-9 (1.5')	Total/NA	Solid	8021B	103739
880-54884-10	SW-1 (1.5')	Total/NA	Solid	8021B	103739
880-54884-11	SW-2 (1.5')	Total/NA	Solid	8021B	103739
880-54884-12	SW-3 (1.5')	Total/NA	Solid	8021B	103739
880-54884-13	SW-4 (1.5')	Total/NA	Solid	8021B	103739
880-54884-14	SW-5 (1.5')	Total/NA	Solid	8021B	103739
880-54884-15	SW-6 (1.5')	Total/NA	Solid	8021B	103739
MB 880-103739/5-A	Method Blank	Total/NA	Solid	8021B	103739
LCS 880-103739/1-A	Lab Control Sample	Total/NA	Solid	8021B	103739
LCSD 880-103739/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103739
880-54884-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	103739
880-54884-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	103739

Analysis Batch: 103865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 103865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-10	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-11	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-12	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-13	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-14	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-54884-15	SW-6 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 103718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	103733
880-54884-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	103733
MB 880-103733/1-A	Method Blank	Total/NA	Solid	8015B NM	103733
LCS 880-103733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103733
LCSD 880-103733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103733
880-54883-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103733
880-54883-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103733

Analysis Batch: 103721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-10	SW-1 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-11	SW-2 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-12	SW-3 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-13	SW-4 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-14	SW-5 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-15	SW-6 (1.5')	Total/NA	Solid	8015B NM	103734
MB 880-103734/1-A	Method Blank	Total/NA	Solid	8015B NM	103734
LCS 880-103734/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103734
LCSD 880-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103734
880-54884-8 MS	CS-8 (1.5')	Total/NA	Solid	8015B NM	103734
880-54884-8 MSD	CS-8 (1.5')	Total/NA	Solid	8015B NM	103734

Prep Batch: 103733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 103733 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-103733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54883-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54883-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 103734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-10	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-11	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-12	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-13	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-14	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-15	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-103734/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103734/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54884-8 MS	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-54884-8 MSD	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-54884-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-54884-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-54884-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-54884-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-54884-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-54884-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-54884-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-54884-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-54884-10	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-54884-11	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-54884-12	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-54884-13	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-54884-14	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-54884-15	SW-6 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-54884-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-54884-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-54884-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-54884-5	CS-5 (1.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 103738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-54884-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-54884-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-54884-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-54884-10	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-54884-11	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-54884-12	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-54884-13	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-54884-14	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-54884-15	SW-6 (1.5')	Soluble	Solid	DI Leach	
MB 880-103738/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103738/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103738/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54884-8 MS	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-54884-8 MSD	CS-8 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 103744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54884-1	CS-1 (1.5')	Soluble	Solid	300.0	103738
880-54884-2	CS-2 (1.5')	Soluble	Solid	300.0	103738
880-54884-3	CS-3 (1.5')	Soluble	Solid	300.0	103738
880-54884-4	CS-4 (1.5')	Soluble	Solid	300.0	103738
880-54884-5	CS-5 (1.5')	Soluble	Solid	300.0	103738
880-54884-6	CS-6 (1.5')	Soluble	Solid	300.0	103738
880-54884-7	CS-7 (1.5')	Soluble	Solid	300.0	103738
880-54884-8	CS-8 (1.5')	Soluble	Solid	300.0	103738
880-54884-9	CS-9 (1.5')	Soluble	Solid	300.0	103738
880-54884-10	SW-1 (1.5')	Soluble	Solid	300.0	103738
880-54884-11	SW-2 (1.5')	Soluble	Solid	300.0	103738
880-54884-12	SW-3 (1.5')	Soluble	Solid	300.0	103738
880-54884-13	SW-4 (1.5')	Soluble	Solid	300.0	103738
880-54884-14	SW-5 (1.5')	Soluble	Solid	300.0	103738
880-54884-15	SW-6 (1.5')	Soluble	Solid	300.0	103738
MB 880-103738/1-A	Method Blank	Soluble	Solid	300.0	103738
LCS 880-103738/2-A	Lab Control Sample	Soluble	Solid	300.0	103738
LCSD 880-103738/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103738
880-54884-8 MS	CS-8 (1.5')	Soluble	Solid	300.0	103738
880-54884-8 MSD	CS-8 (1.5')	Soluble	Solid	300.0	103738

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Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-54884-1

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 18:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 18:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 08:36	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54884-2

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 16:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 18:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 19:46	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54884-3

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 19:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:08	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-54884-4

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 17:32	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-54884-4

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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			103824	02/26/25 19:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 19:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:15	CH	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-54884-5

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 17:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:22	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-54884-6

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 18:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 19:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:30	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-54884-7

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 18:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 20:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 20:03	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-54884-7

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:37	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-54884-8

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 18:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 17:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 17:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 20:45	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-54884-9

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 19:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 18:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 18:31	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 21:07	CH	EET MID

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-54884-10

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 19:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 18:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/26/25 21:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-54884-11

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 21:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 21:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 19:01	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 07:55	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-54884-12

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 21:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 19:16	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 08:06	CH	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-54884-13

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 21:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 19:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 08:43	CH	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-54884-14

Date Collected: 02/25/25 00:00

Matrix: Solid

Date Received: 02/26/25 09:30

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	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 22:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 22:11	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (1.5')

Date Collected: 02/25/25 00:00

Date Received: 02/26/25 09:30

Lab Sample ID: 880-54884-14

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			103824	02/26/25 19:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 19:46	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 08:50	CH	EET MID

Client Sample ID: SW-6 (1.5')

Date Collected: 02/25/25 00:00

Date Received: 02/26/25 09:30

Lab Sample ID: 880-54884-15

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			5.05 g	5 mL	103739	02/26/25 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103746	02/26/25 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103865	02/26/25 22:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103824	02/26/25 20:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 20:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103738	02/26/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103744	02/27/25 08:58	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: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Daisy 24 State Com Battery

Job ID: 880-54884-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54884-1	CS-1 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-2	CS-2 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-3	CS-3 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-4	CS-4 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-5	CS-5 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-6	CS-6 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-7	CS-7 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-8	CS-8 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-9	CS-9 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-10	SW-1 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-11	SW-2 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-12	SW-3 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-13	SW-4 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-14	SW-5 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30
880-54884-15	SW-6 (1.5')	Solid	02/25/25 00:00	02/26/25 09:30

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Chain of Custody



880-54884 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			

Project Name: Daisy 24 State Com Battery		Turn Around		Pres. Code	
Project Number: 2631		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 24 HR			
Sampler's Name: JR					

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:		Parameters		Preservative Codes	
Received Intact:		Yes		No																				None: NO DI Water: H ₂ O	
Cooler Custody Seals:		Yes		No		N/A																		Cool: Cool MeOH: Me	
Sample Custody Seals:		Yes		No		N/A																		HCL: HC HNO ₃ : HN	
Total Containers:		Yes		No		N/A																		H ₂ SO ₄ : H ₂ NaOH: Na	
		Yes		No		N/A																		H ₃ PO ₄ : HP NaHSO ₄ : NABIS	
		Yes		No		N/A																		Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn	
		Yes		No		N/A																		NaOH+Ascorbic Acid: SAPC	

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>Calvin Ma</i>		2-26-25		<i>[Signature]</i>		2/26/25 9:00	

Chain of Custody

Work Order No:

Page 2 of 2

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54884-1
SDG Number: Eddy County, New Mexico

Login Number: 54884
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



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 1/30/2025 12:18:55 PM

JOB DESCRIPTION

Big Papi Fed Com 2H (1.02.25)
Eddy County, New Mexico

JOB NUMBER

880-53765-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/30/2025 12:18:55 PM

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

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Laboratory Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1

Job ID: 880-53765-1

Eurofins Midland

Job Narrative 880-53765-1

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 1/29/2025 8:35 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.8°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (880-53765-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101451 and analytical batch 880-101491 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: Backfill Sample (880-53765-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101451 and analytical batch 880-101491 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101447 and analytical batch 880-101465 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-53765-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 13:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/29/25 09:11	01/29/25 13:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/29/25 09:11	01/29/25 13:53	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			01/29/25 13:53	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			01/29/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	01/29/25 09:27	01/29/25 16:47	1
o-Terphenyl	117		70 - 130	01/29/25 09:27	01/29/25 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.92		mg/Kg			01/29/25 18:55	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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)
880-53765-1	Backfill Sample	99	99
890-7606-A-16-C MS	Matrix Spike	97	102
890-7606-A-16-D MSD	Matrix Spike Duplicate	96	102
LCS 880-101428/1-A	Lab Control Sample	98	100
LCSD 880-101428/2-A	Lab Control Sample Dup	109	100
MB 880-101428/5-A	Method Blank	90	94
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)
880-53762-A-1-E MS	Matrix Spike	117	110
880-53762-A-1-F MSD	Matrix Spike Duplicate	120	115
880-53765-1	Backfill Sample	136 S1+	117
LCS 880-101451/2-A	Lab Control Sample	126	118
LCSD 880-101451/3-A	Lab Control Sample Dup	129	123
MB 880-101451/1-A	Method Blank	147 S1+	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101428/5-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 08:16	01/29/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	01/29/25 08:16	01/29/25 11:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/29/25 08:16	01/29/25 11:28	1

Lab Sample ID: LCS 880-101428/1-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.1947		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

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

Lab Sample ID: LCSD 880-101428/2-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.1127		mg/Kg		113	70 - 130	4	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7606-A-16-C MS

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1025		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7606-A-16-C MS

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7606-A-16-D MSD

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.1070		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1071		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1913		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-101451/1-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101451

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		01/29/25 09:27	01/29/25 07:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	01/29/25 09:27	01/29/25 07:56	1
o-Terphenyl	120		70 - 130	01/29/25 09:27	01/29/25 07:56	1

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1092		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-101451/3-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1141		mg/Kg		114	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-53762-A-1-E MS

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1340	F1	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1394	F1	mg/Kg		140	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-53762-A-1-F MSD

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1368	F1	mg/Kg		137	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1466	F1	mg/Kg		147	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	115		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101447/1-A

Matrix: Solid

Analysis Batch: 101465

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/29/25 16:58	1

Lab Sample ID: LCS 880-101447/2-A

Matrix: Solid

Analysis Batch: 101465

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-101447/3-A

Matrix: Solid

Analysis Batch: 101465

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	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-53763-A-10-B MS

Matrix: Solid

Analysis Batch: 101465

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	113	F1	249	390.5	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-53763-A-10-C MSD

Matrix: Solid

Analysis Batch: 101465

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	113	F1	249	390.5	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 101428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-101428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7606-A-16-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7606-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 101434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8021B	101428
MB 880-101428/5-A	Method Blank	Total/NA	Solid	8021B	101428
LCS 880-101428/1-A	Lab Control Sample	Total/NA	Solid	8021B	101428
LCSD 880-101428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101428
890-7606-A-16-C MS	Matrix Spike	Total/NA	Solid	8021B	101428
890-7606-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101428

Analysis Batch: 101514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 101451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015B NM	101451
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015B NM	101451
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101451
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101451
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	101451
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101451

Analysis Batch: 101595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 101447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-101447/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 101447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-A-10-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53763-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 101465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Soluble	Solid	300.0	101447
MB 880-101447/1-A	Method Blank	Soluble	Solid	300.0	101447
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	300.0	101447
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101447
880-53763-A-10-B MS	Matrix Spike	Soluble	Solid	300.0	101447
880-53763-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	101447

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53765-1
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			4.99 g	5 mL	101428	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101434	01/29/25 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101514	01/29/25 13:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101595	01/29/25 16:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:55	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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53765-1	Backfill Sample	Solid	01/27/25 00:00	01/29/25 08:35

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

Chain of Custody



880-53765 Chain of Custody

Page _____ of _____

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other: _____	

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	Received by: (Signature)	Date/Time
			1/29/83

- 1
- 2
- 3
- 4
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- 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53765-1
SDG Number: Eddy County, New Mexico

Login Number: 53765

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 503269

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2503633866
Incident Name	NAPP2503633866 DAISY STATE 24 CTB @ FAPP2203350881
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203350881] DAISY 24 STATE COM BATTERY

Location of Release Source*Please answer all the questions in this group.*

Site Name	Daisy State 24 CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

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

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 17 BBL Recovered: 8 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: 09/05/2025
--	--

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QUESTIONS, Page 3

Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (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 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
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	Between 300 and 500 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	985
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/24/2025
On what date will (or did) the final sampling or liner inspection occur	02/25/2025
On what date will (or was) the remediation complete(d)	02/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1785
What is the estimated volume (in cubic yards) that will be remediated	115

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.

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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Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	503269
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAPP2123262143 Red Bluff Gathering System
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	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: 09/05/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	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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Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	434363
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/25/2025
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	1785

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1785
What was the total volume (cubic yards) remediated	115
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/05/2025

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Action 503269

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	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 503269

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503269
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	10/22/2025