



SITE INFORMATION

Closure Report
Hayduke 34 Federal Com 3H (11.07.2025)
Incident ID: nAPP2531169591
Eddy County, New Mexico
Unit E Sec 34 T25S R26E
32.084238°, -104.272875°

Produced Water Release
Point of Release: Human Error
Release Date: 11.07.2025
Volume Released: 8 barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co. of Colorado
6001 Deauville Blvd
Suite 300N
Midland, Texas 79706

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



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December 15, 2025

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

**Re: Closure Report
Hayduke 34 Federal Com 3H
Incident ID: nAPP2531169591
Cimarex Energy Co. of Colorado
Site Location: Unit E, S34, T25S, R26E
(Lat 32.084238°, Long -104.272875°)
Eddy County, New Mexico**

To whom it may concern:

On behalf of Cimarex Energy Co of Colorado (Cimarex) Carmona Resources LLC has prepared this letter to document site assessment and remediation activities for the Hayduke 34 Federal Com 3H release. The site is located at 32.084238°, -104.272875° within Unit E, S34, T25S, R26E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 7, 2025, due to human error resulting in a release. It resulted in approximately eight (8) barrels of produced water being released. Approximately zero (0) barrels of produced water were recovered from the well pad. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 forms are 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 two water sources within a 0.50-mile radius of the location. The nearest water well is located approximately 1.45 miles Northwest of the site in S28 and was drilled in 1992. Water was detected at a depth of 14.22' 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 were utilized in assessing and remediating 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 Remediation Activities

Carmona Resources personnel were onsite to guide the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on December 1, 2025 and December 8, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas were hydro-excavated and mechanically excavated to a depth of 1.5' bgs. A total of ten (10) confirmation floor samples (CS-1 through CS-10), and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 200 square feet to ensure the proper removal of the contaminated soil. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300. 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 3A/3B.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 768 square feet of contamination was remediated, resulting in 49 cubic yards of material excavated and transported offsite for proper disposal. A composite backfill sample was collected from the Fred Beard Pit at 32.161928°, -104.316363°, for laboratory analysis on December 5, 2025, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

5.0 Conclusions

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Cimarex formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Riley Plogger
Project Manager

FIGURES

CARMONA RESOURCES



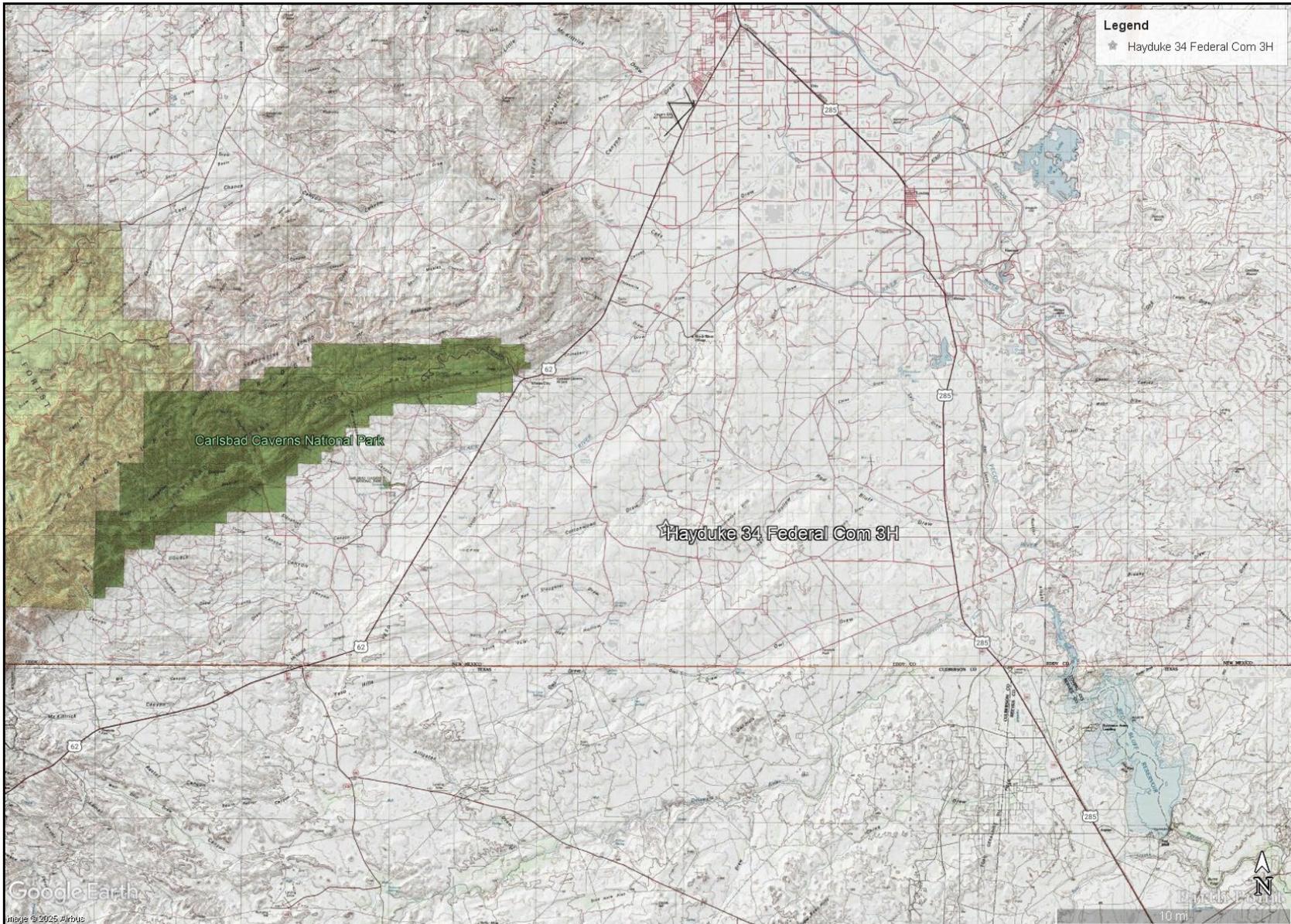


Google Earth
Image © 2025 AirGIS

OVERVIEW MAP
CIMAREX ENERGY CO OF COLORADO
HAYDUKE 34 FEDERAL COM 3H
EDDY COUNTY, NEW MEXICO
32.084238°, - 104.272875°



FIGURE 1



TOPOGRAPHIC MAP
CIMAREX ENERGY CO OF COLORADO
HAYDUKE 34 FEDERAL COM 3H
EDDY COUNTY, NEW MEXICO
32.084238°, - 104.272875°



FIGURE 2





<p>EXCAVATION DEPTH MAP CIMAREX ENERGY CO OF COLORADO HAYDUKE 34 FEDERAL COM 3H EDDY COUNTY, NEW MEXICO 32.084238°, - 104.272875°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3B</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co. of Colorado
Hayduke 34 Federal Com 3H (11.07.2025)
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	12/5/2025	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	143
CS-2	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	408
CS-3	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
CS-4	12/5/2025	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	227
CS-5	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.9
CS-6	12/5/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	0.00356	<0.00402	0.00611	235
CS-7	12/5/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	129
CS-8	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	0.00318	<0.00398	<0.00398	125
CS-9	12/5/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	102
CS-10	12/5/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	90.1
SW-1	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	100
SW-2	12/5/2025	1.5'	<49.8	<49.8	<49.8	<49.8	0.00229	<0.00201	<0.00201	<0.00402	<0.00402	18.5
SW-3	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.5
SW-4	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
SW-5	12/5/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.9
SW-6	12/5/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	49.7
SW-7	12/5/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	118
SW-8	12/5/2025	1.5'	<49.8	<49.8	177	177	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.7
	12/11/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	16.3
SW-9	12/5/2025	1.5'	<50.1	<50.1	213	213	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.3
	12/11/2025	1.5'	<50.0	<50.0	<50.0	<50.0	0.00356	<0.00200	<0.00200	<0.00399	<0.00399	20.0
SW-10	12/5/2025	1.5'	<49.9	<49.9	63.5	63.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	85.0
SW-11	12/5/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	46.7
SW-12	12/5/2025	1.5'	<50.0	<50.0	173	173	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	71.1
	12/11/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.4
Backfill Sample	12/5/2025	-	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.6
<i>Regulatory Criteria</i> ^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

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co. Of Colorado

Photograph No. 1

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View Souteast, area of concern.



Photograph No. 2

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View Southwest, area of concern.

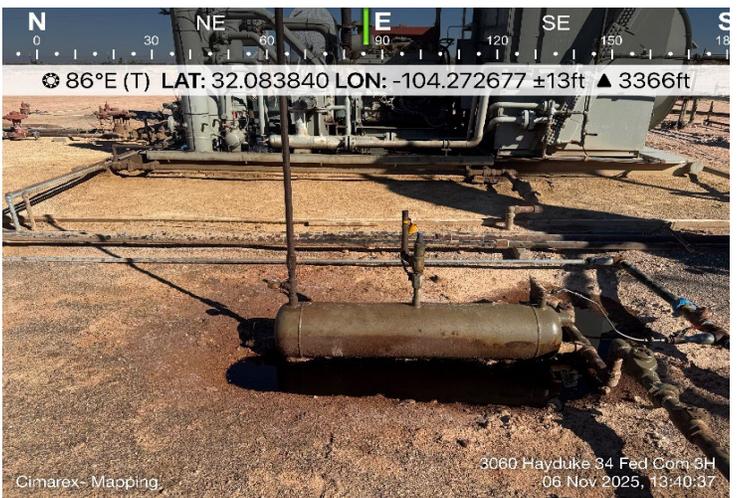


Photograph No. 3

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View East, area of concern.



PHOTOGRAPHIC LOG

Cimarex Energy Co. Of Colorado

Photograph No. 4

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View Northwest, Excavated area of CS-1 through CS-9.

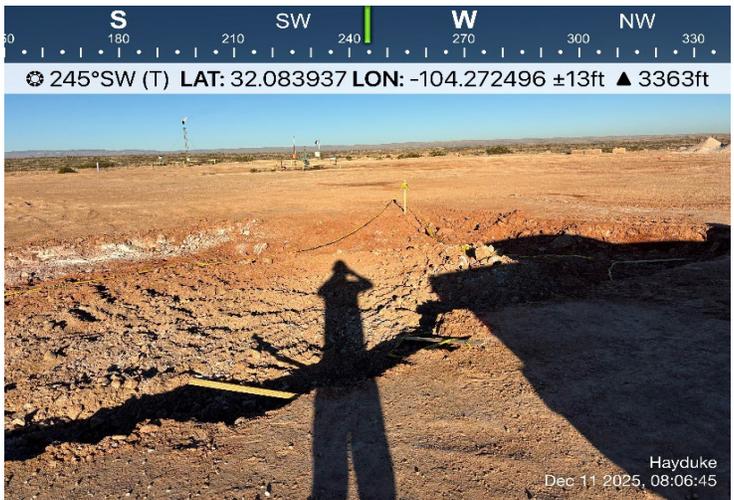


Photograph No. 5

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View Southwest, Excavated area of CS-1 through CS-9.

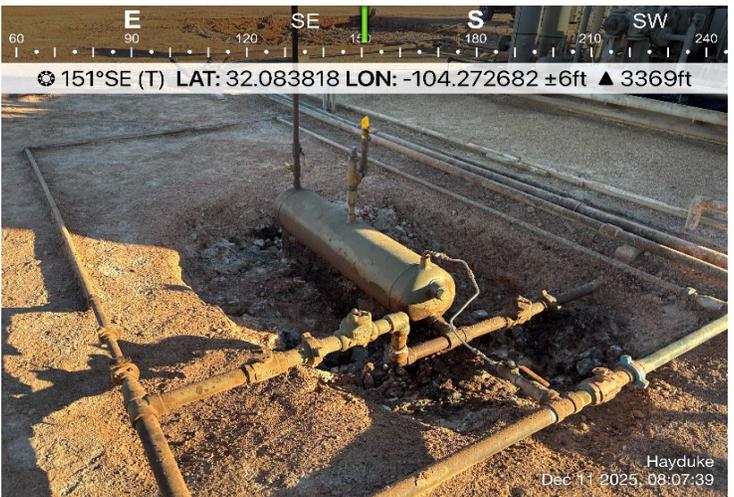


Photograph No. 6

Facility: Hayduke 34 Federal Com 3H
(11.07.2025)

County: Eddy County, New Mexico

Description:
View Southeast, Excavated area of CS-10.



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 508683

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 508683
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Hayduke 34 Federal Com 3H. The
Date Release Discovered	11/07/2025
Surface Owner	Federal

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: Human Error Other (Specify) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 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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General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 508683

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 508683
	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	<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 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 508683

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 508683
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 508683

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 508683
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
nrose	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/7/2025

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

QUESTIONS

Action 530944

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 530944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2531169591
Incident Name	NAPP2531169591 HAYDUKE 34 FEDERAL COM 3H. THE @ E-34-25S-26E
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	Hayduke 34 Federal Com 3H. The
Date Release Discovered	11/07/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	950
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 432-813-8988
Please provide any information necessary for navigation to sampling site	32.084238,-104.272875 The release area will be hydrovacc'd to a depth of 1.0'-1.5'

Sante Fe Main Office
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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 530944

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 530944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	12/1/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/1/2025

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	532938	Districts:	Artesia
Operator:	[162683] CIMAREX ENERGY CO. OF COLORADO	Counties:	Eddy
Description:	CIMAREX ENERGY CO. OF COLORADO [162683] , Hayduke 34 Federal Com 3H. The , nAPP2531169591		
Status:	Approved		
Status Date:	12/08/2025		
References (0):			

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2531169591
Incident Name	NAPP2531169591 HAYDUKE 34 FEDERAL COM 3H. THE @ E-34-25S-26E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Hayduke 34 Federal Com 3H. The
Date Release Discovered	11/07/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	950
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2025
Time sampling will commence	08:30 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	Carmona Resources - 432-813-8988 Recollection of SW-8, SW-9, & SW-12 after the sidewalls have
Please provide any information necessary for navigation to sampling site	32.084238,-104.272875

[Searches](#)

[Operator Data](#)

[Hearing Fee Application](#)

Comments

No comments found for this submission.

Conditions

Summary:

athielke (12/8/2025), 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.

athielke (12/8/2025), If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.

Reasons

No reasons found for this submission.

[Go Back](#)

APPENDIX D

CARMONA RESOURCES



Nearest water well

CIMAREX ENERGY CO. OF COLORADO

Legend

- 0.50 Mile Radius
- 1.45 Miles
- 1.61 Miles
- 1.61 Miles
- 1.63 Miles
- 2.23 Miles
- Hayduke 34 Federal Com 3H (11.07.2025)
- NMSEO Water Well
- USGS Water Well

20.67' - Drilled 1983
14' - Drilled 2019
13.31' - Drilled 1992

14.22' - Drilled 1992

13.96' - Drilled 2018

Hayduke 34 Federal Com 3H (11.07.2025)

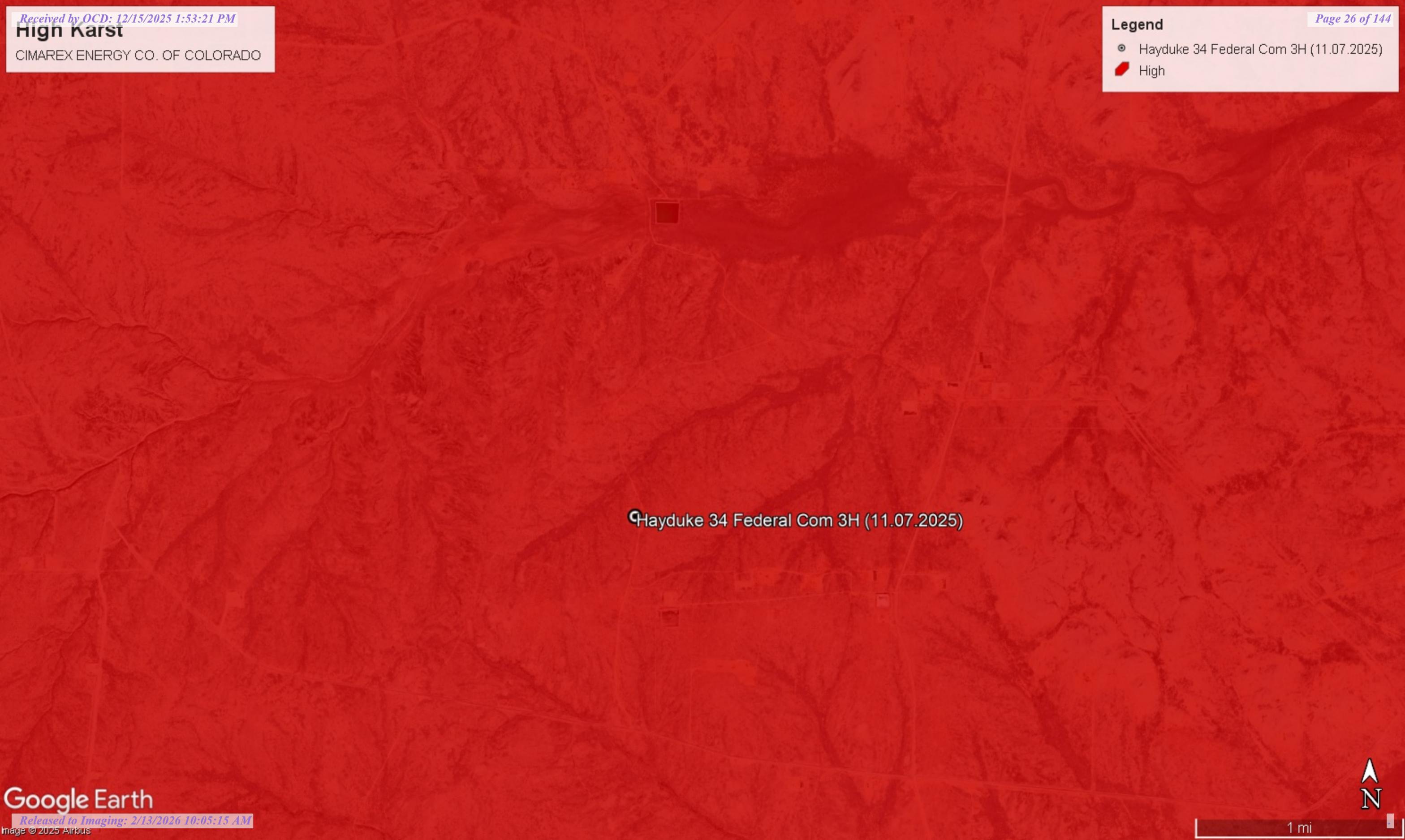


High Karst

CIMAREX ENERGY CO. OF COLORADO

Legend

- Hayduke 34 Federal Com 3H (11.07.2025)
- High





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 02220		CUB	ED	SW	NW	NE	26	25S	26E	569598.0	3552352.0 *	●	2543	35		
C 04329 POD1		C	ED	NE	NE	NE	27	25S	26E	568576.6	3552567.2	●	2563	57	14	43
C 03655 POD3		CUB	ED	NW	SE	SE	22	25S	26E	568458.2	3553019.0	●	3019			
C 01013		C	ED			SE	25	25S	26E	571505.0	3551456.0 *	●	3230	245		
C 02221		CUB	ED	SE	SW	NE	25	25S	26E	571412.0	3551961.0 *	●	3410	35		

Average Depth to Water: **14 feet**

Minimum Depth: **14 feet**

Maximum Depth: **14 feet**

Record Count: 5

UTM Filters (in meters):

Easting: 568618.78

Northing: 3550004.19

Radius: 4000

* UTM location was derived from PLSS - see Help

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

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Agency code = usgs
site_no list =

- 320559104172201

Minimum number of levels = 1
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USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico
 Latitude 32°05'59", Longitude 104°17'22" NAD27
 Land-surface elevation 3,283 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D 62610		3266.82	NGVD29	1	Z		
1983-02-01			D 62611		3268.50	NAVD88	1	Z		
1983-02-01			D 72019	14.50			1	Z		
1987-10-08			D 62610		3268.06	NGVD29	1	Z		
1987-10-08			D 62611		3269.74	NAVD88	1	Z		
1987-10-08			D 72019	13.26			1	Z		
1992-11-19			D 62610		3267.10	NGVD29	P	S		
1992-11-19			D 62611		3268.78	NAVD88	P	S		
1992-11-19			D 72019	14.22			P	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

11/8/23, 9:55 AM

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
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				
Source of measurement			Not determined				
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?>



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0.43 0.33 nadww02



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
222B5	C 04329 POD1	2	2	2	27	25S	26E	568577	3552567

Driller License: 1348	Driller Company: TAYLOR WATER WELL SERVICE	
Driller Name: CLINTON E TAYLOR		
Drill Start Date: 06/07/2019	Drill Finish Date: 06/08/2019	Plug Date:
Log File Date: 06/17/2019	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 100 GPM
Casing Size: 4.50	Depth Well: 57 feet	Depth Water: 14 feet

Water Bearing Stratifications:	Top	Bottom	Description
	14	24	Other/Unknown
	24	57	Other/Unknown

Casing Perforations:	Top	Bottom
	20	57

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11/8/23 8:31 AM

POINT OF DIVERSION SUMMARY



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USGS Water Resources

Data Category: Geographic Area:

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Groundwater levels for New Mexico

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Agency code = usgs
site_no list =

- 320627104163001

Minimum number of levels = 1
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USGS 320627104163001 25S.26E.27.21144

Eddy County, New Mexico
Latitude 32°06'27", Longitude 104°16'30" NAD27
Land-surface elevation 3,251 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-15			D	62610	3228.66	NGVD29	1	Z		
1983-02-15			D	62611	3230.33	NAVD88	1	Z		
1983-02-15			D	72019	20.67		1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.44 0.33 nadww02



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320627104160701

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

USGS 320627104160701 25S.26E.27.22200

Eddy County, New Mexico
Latitude 32°06'27", Longitude 104°16'07" NAD27
Land-surface elevation 3,239 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
1983-02-01			D 62610		3221.16	NGVD29	1	Z		
1983-02-01			D 62611		3222.83	NAVD88	1	Z		
1983-02-01			D 72019	16.17			1	Z		
1987-10-08			D 62610		3224.30	NGVD29	1	Z		
1987-10-08			D 62611		3225.97	NAVD88	1	Z		
1987-10-08			D 72019	13.03			1	Z		
1992-11-19			D 62610		3224.02	NGVD29	P	S		
1992-11-19			D 62611		3225.69	NAVD88	P	S		
1992-11-19			D 72019	13.31			P	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

11/8/23, 9:53 AM

Section	Code	Description
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
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.4 0.32 nadww02

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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Agency code = usgs
site_no list =

- 320616104142801

Minimum number of levels = 1
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USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
 Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
 Land-surface elevation 3,188.60 feet above NGVD29
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Castile Formation (312CSTL) 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
1978-01-25			D 62610		3184.39	NGVD29	1	Z		
1978-01-25			D 62611		3186.05	NAVD88	1	Z		
1978-01-25			D 72019	4.21			1	Z		
1983-02-01			D 62610		3185.96	NGVD29	1	Z		
1983-02-01			D 62611		3187.62	NAVD88	1	Z		
1983-02-01			D 72019	2.64			1	Z		
1987-10-08			D 62610		3185.63	NGVD29	1	Z		
1987-10-08			D 62611		3187.29	NAVD88	1	Z		
1987-10-08			D 72019	2.97			1	Z		
1992-11-04			D 62610		3186.55	NGVD29	1	S		
1992-11-04			D 62611		3188.21	NAVD88	1	S		
1992-11-04			D 72019	2.05			1	S		
1998-01-07			D 62610		3186.62	NGVD29	1	S		
1998-01-07			D 62611		3188.28	NAVD88	1	S		
1998-01-07			D 72019	1.98			1	S		

11/8/23, 9:36 AM

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
2003-01-28		D	62610	3181.38	NGVD29	1	S USGS
2003-01-28		D	62611	3183.04	NAVD88	1	S USGS
2003-01-28		D	72019	7.22		1	S USGS
2013-01-09	22:45 UTC	m	62610	3177.78	NGVD29	1	S USGS
2013-01-09	22:45 UTC	m	62611	3179.44	NAVD88	1	S USGS
2013-01-09	22:45 UTC	m	72019	10.82		1	S USGS
2018-02-13	22:15 UTC	m	62610	3174.64	NGVD29	1	S USGS
2018-02-13	22:15 UTC	m	62611	3176.30	NAVD88	1	S USGS
2018-02-13	22:15 UTC	m	72019	13.96		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	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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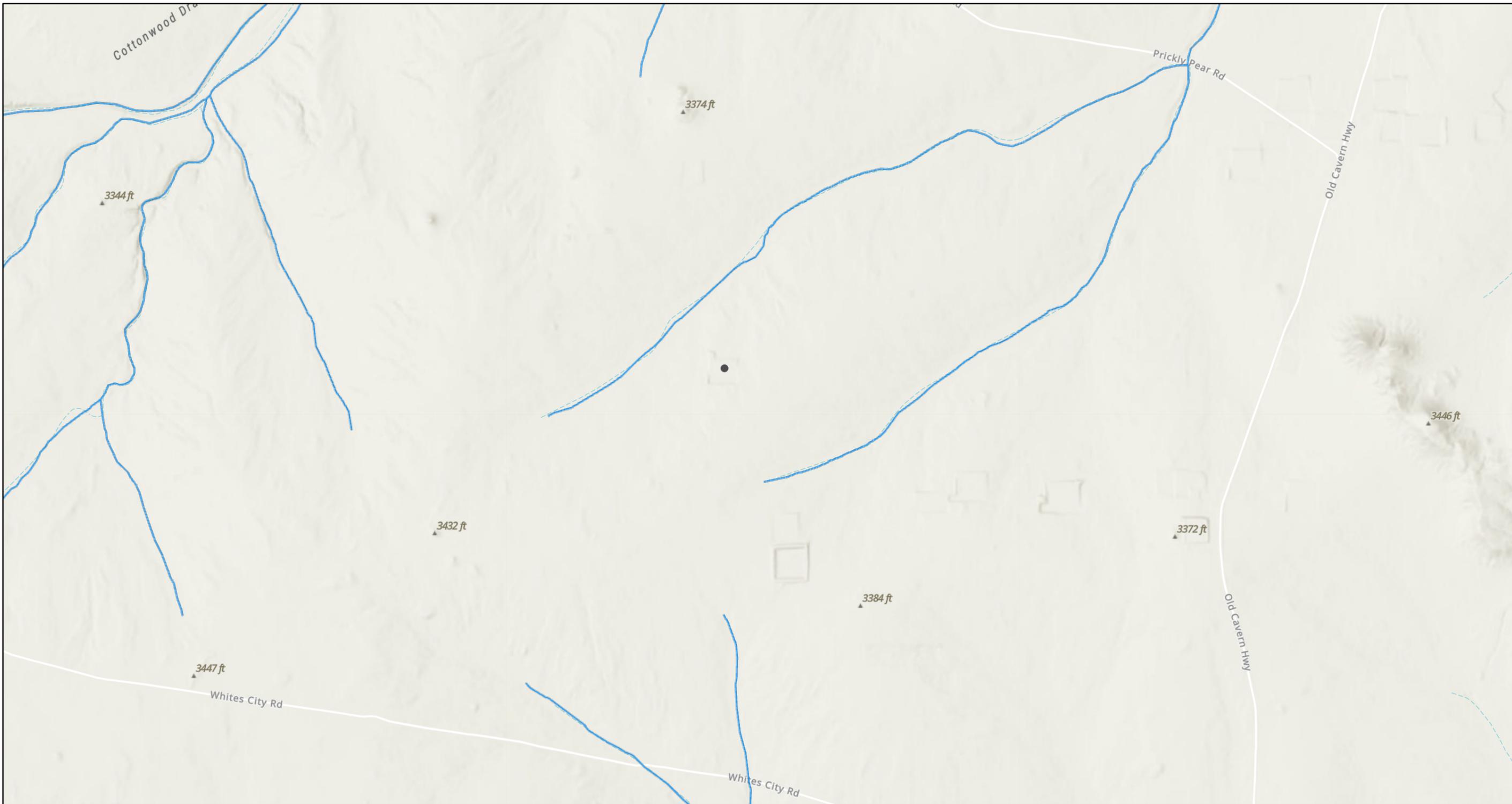


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0.43 0.33 nadww02

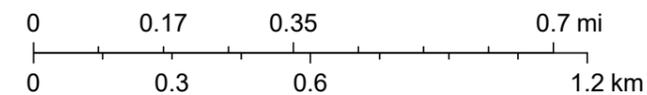
Hayduke 34 Federal Com 3H (11.07.2025)



11/11/2025, 8:33:16 AM

— OSE Streams

1:18,056



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Carmona Resources
 310 W Wall St
 Ste 500
 Midland, Texas 79701

Generated 12/8/2025 3:18:42 PM

JOB DESCRIPTION

HAYDUKE 34 FED COM 3H (11.06.2025)
 Eddy County Texas

JOB NUMBER

890-9172-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

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

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Client: Carmona Resources
Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Laboratory Job ID: 890-9172-1
SDG: Eddy County Texas

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1

Job ID: 890-9172-1

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Job Narrative 890-9172-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/5/2025 4:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-9172-1), CS - 2 (890-9172-2), CS - 3 (890-9172-3), CS - 4 (890-9172-4), CS - 5 (890-9172-5), CS - 6 (890-9172-6), CS - 7 (890-9172-7), CS - 8 (890-9172-8), CS - 9 (890-9172-9), CS - 10 (890-9172-10), SW - 1 (890-9172-11), SW - 2 (890-9172-12), SW - 3 (890-9172-13), SW - 4 (890-9172-14), SW - 5 (890-9172-15), SW - 6 (890-9172-16), SW - 7 (890-9172-17), SW - 8 (890-9172-18), SW - 9 (890-9172-19), SW - 10 (890-9172-20), SW - 11 (890-9172-21) and SW - 12 (890-9172-22).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-125863 and analytical batch 880-125849 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125860/2-A), (LCSD 880-125860/3-A), (890-9172-A-13-D MS) and (890-9172-A-13-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW - 4 (890-9172-14), SW - 5 (890-9172-15), SW - 6 (890-9172-16), SW - 7 (890-9172-17), SW - 8 (890-9172-18), SW - 9 (890-9172-19), SW - 10 (890-9172-20) and SW - 12 (890-9172-22). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-125858 and analytical batch 880-125888 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 the upper control limit: SW - 11 (890-9172-21). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-125860 and analytical batch 880-125892 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 3 (890-9172-13). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 1 (890-9172-11). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Carmona Resources
Project: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1

Job ID: 890-9172-1 (Continued)

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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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 1
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-1
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 16:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 16:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 16:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/07/25 08:51	12/07/25 16:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/07/25 08:51	12/07/25 16:12	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			12/07/25 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/08/25 12:18	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	<50.1	U F1	50.1		mg/Kg		12/08/25 08:06	12/08/25 12:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 08:06	12/08/25 12:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 08:06	12/08/25 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	12/08/25 08:06	12/08/25 12:18	1
o-Terphenyl (Surr)	109		70 - 130	12/08/25 08:06	12/08/25 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.96		mg/Kg			12/08/25 11:39	1

Client Sample ID: CS - 2
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-2
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 16:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 16:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 16:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 16:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 16:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/07/25 08:51	12/07/25 16:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/07/25 08:51	12/07/25 16:32	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 2

Lab Sample ID: 890-9172-2

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			12/07/25 16:32	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			12/08/25 13:01	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	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	12/08/25 08:06	12/08/25 13:01	1
o-Terphenyl (Surr)	104		70 - 130	12/08/25 08:06	12/08/25 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		10.1		mg/Kg			12/08/25 11:54	1

Client Sample ID: CS - 3

Lab Sample ID: 890-9172-3

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 16:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 16:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 16:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 16:53	1
o-Xylene	0.00299		0.00199		mg/Kg		12/07/25 08:51	12/07/25 16:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/07/25 08:51	12/07/25 16:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/07/25 08:51	12/07/25 16:53	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			12/07/25 16:53	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			12/08/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 3

Lab Sample ID: 890-9172-3

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/08/25 08:06	12/08/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				12/08/25 08:06	12/08/25 13:15	1
o-Terphenyl (Surr)	103		70 - 130				12/08/25 08:06	12/08/25 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.1		mg/Kg			12/08/25 12:00	1

Client Sample ID: CS - 4

Lab Sample ID: 890-9172-4

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 17:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 17:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 17:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 17:13	1
o-Xylene	0.00275		0.00198		mg/Kg		12/07/25 08:51	12/07/25 17:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/07/25 08:51	12/07/25 17:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/07/25 08:51	12/07/25 17:13	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			12/07/25 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/08/25 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	<50.1	U	50.1		mg/Kg		12/08/25 08:06	12/08/25 13:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 08:06	12/08/25 13:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 08:06	12/08/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				12/08/25 08:06	12/08/25 13:30	1
o-Terphenyl (Surr)	104		70 - 130				12/08/25 08:06	12/08/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		9.94		mg/Kg			12/08/25 12:05	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 5

Lab Sample ID: 890-9172-5

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 17:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 17:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 17:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 17:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 17:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/07/25 08:51	12/07/25 17:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/07/25 08:51	12/07/25 17:33	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			12/07/25 17:33	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			12/08/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	12/08/25 08:06	12/08/25 13:43	1
o-Terphenyl (Surr)	103		70 - 130	12/08/25 08:06	12/08/25 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		10.1		mg/Kg			12/08/25 12:10	1

Client Sample ID: CS - 6

Lab Sample ID: 890-9172-6

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 17:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 17:54	1
Ethylbenzene	0.00356		0.00201		mg/Kg		12/07/25 08:51	12/07/25 17:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 17:54	1
o-Xylene	0.00255		0.00201		mg/Kg		12/07/25 08:51	12/07/25 17:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/07/25 08:51	12/07/25 17:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/07/25 08:51	12/07/25 17:54	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 6

Lab Sample ID: 890-9172-6

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00611		0.00402		mg/Kg			12/07/25 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/08/25 13:59	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		12/08/25 08:06	12/08/25 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 08:06	12/08/25 13:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 08:06	12/08/25 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/08/25 08:06	12/08/25 13:59	1
o-Terphenyl (Surr)	119		70 - 130	12/08/25 08:06	12/08/25 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		9.96		mg/Kg			12/08/25 12:26	1

Client Sample ID: CS - 7

Lab Sample ID: 890-9172-7

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 18:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 18:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 18:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/07/25 08:51	12/07/25 18:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 18:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/07/25 08:51	12/07/25 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/07/25 08:51	12/07/25 18:14	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/07/25 08:51	12/07/25 18:14	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			12/07/25 18:14	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			12/08/25 14:12	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		12/08/25 08:06	12/08/25 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:12	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 7

Lab Sample ID: 890-9172-7

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				12/08/25 08:06	12/08/25 14:12	1
o-Terphenyl (Surr)	116		70 - 130				12/08/25 08:06	12/08/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		10.1		mg/Kg			12/08/25 12:31	1

Client Sample ID: CS - 8

Lab Sample ID: 890-9172-8

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
Ethylbenzene	0.00318		0.00199		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/07/25 08:51	12/07/25 18:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/07/25 08:51	12/07/25 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/25 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/08/25 14:27	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		12/08/25 08:06	12/08/25 14:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 14:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				12/08/25 08:06	12/08/25 14:27	1
o-Terphenyl (Surr)	112		70 - 130				12/08/25 08:06	12/08/25 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		10.1		mg/Kg			12/08/25 12:36	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 9

Lab Sample ID: 890-9172-9

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 18:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 18:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 18:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 18:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 18:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/07/25 08:51	12/07/25 18:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/07/25 08:51	12/07/25 18:55	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			12/07/25 18:55	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			12/08/25 14:41	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		12/08/25 08:06	12/08/25 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	12/08/25 08:06	12/08/25 14:41	1
o-Terphenyl (Surr)	107		70 - 130	12/08/25 08:06	12/08/25 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.96		mg/Kg			12/08/25 12:41	1

Client Sample ID: CS - 10

Lab Sample ID: 890-9172-10

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 19:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 19:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/07/25 08:51	12/07/25 19:15	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/07/25 08:51	12/07/25 19:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 10

Lab Sample ID: 890-9172-10

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			12/07/25 19:15	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			12/08/25 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:06	12/08/25 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	12/08/25 08:06	12/08/25 14:56	1
o-Terphenyl (Surr)	116		70 - 130	12/08/25 08:06	12/08/25 14:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.1		10.0		mg/Kg			12/08/25 12:47	1

Client Sample ID: SW - 1

Lab Sample ID: 890-9172-11

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 20:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 20:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 20:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 20:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 20:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/07/25 08:51	12/07/25 20:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/07/25 08:51	12/07/25 20:48	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			12/07/25 20:48	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			12/08/25 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 15:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 15:25	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 1

Lab Sample ID: 890-9172-11

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/08/25 08:06	12/08/25 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				12/08/25 08:06	12/08/25 15:25	1
o-Terphenyl (Surr)	137	S1+	70 - 130				12/08/25 08:06	12/08/25 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		9.94		mg/Kg			12/08/25 10:53	1

Client Sample ID: SW - 2

Lab Sample ID: 890-9172-12

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00229		0.00201		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/07/25 08:51	12/07/25 21:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/07/25 08:51	12/07/25 21:08	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			12/07/25 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/08/25 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/08/25 08:06	12/08/25 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 08:06	12/08/25 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 08:06	12/08/25 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				12/08/25 08:06	12/08/25 15:38	1
o-Terphenyl (Surr)	112		70 - 130				12/08/25 08:06	12/08/25 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		10.0		mg/Kg			12/08/25 11:11	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 3

Lab Sample ID: 890-9172-13

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 21:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 21:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 21:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 21:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 21:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/07/25 08:51	12/07/25 21:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/07/25 08:51	12/07/25 21:29	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			12/07/25 21:29	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			12/08/25 12:18	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		12/08/25 08:09	12/08/25 12:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 12:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130	12/08/25 08:09	12/08/25 12:18	1
o-Terphenyl (Surr)	133	S1+	70 - 130	12/08/25 08:09	12/08/25 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.5		10.0		mg/Kg			12/08/25 11:17	1

Client Sample ID: SW - 4

Lab Sample ID: 890-9172-14

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 21:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 21:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 21:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 21:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 21:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/07/25 08:51	12/07/25 21:49	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/07/25 08:51	12/07/25 21:49	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 4

Lab Sample ID: 890-9172-14

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			12/07/25 21:49	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			12/08/25 13:01	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	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	158	S1+	70 - 130	12/08/25 08:09	12/08/25 13:01	1
o-Terphenyl (Surr)	138	S1+	70 - 130	12/08/25 08:09	12/08/25 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			12/08/25 11:22	1

Client Sample ID: SW - 5

Lab Sample ID: 890-9172-15

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 22:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 22:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 22:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/07/25 08:51	12/07/25 22:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/07/25 08:51	12/07/25 22:09	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			12/07/25 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/08/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 13:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 5

Lab Sample ID: 890-9172-15

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	150	S1+	70 - 130				12/08/25 08:09	12/08/25 13:15	1
o-Terphenyl (Surr)	131	S1+	70 - 130				12/08/25 08:09	12/08/25 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		10.1		mg/Kg			12/08/25 11:28	1

Client Sample ID: SW - 6

Lab Sample ID: 890-9172-16

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/07/25 08:51	12/07/25 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/07/25 08:51	12/07/25 22:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/07/25 08:51	12/07/25 22:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/07/25 22:30	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			12/08/25 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		12/08/25 08:09	12/08/25 13:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 13:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	161	S1+	70 - 130				12/08/25 08:09	12/08/25 13:30	1
o-Terphenyl (Surr)	137	S1+	70 - 130				12/08/25 08:09	12/08/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.7		10.0		mg/Kg			12/08/25 12:09	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 7

Lab Sample ID: 890-9172-17

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 22:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 22:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 22:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 22:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:51	12/07/25 22:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/07/25 08:51	12/07/25 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/07/25 08:51	12/07/25 22:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/07/25 08:51	12/07/25 22:50	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			12/07/25 22:50	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			12/08/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130	12/08/25 08:09	12/08/25 13:43	1
o-Terphenyl (Surr)	136	S1+	70 - 130	12/08/25 08:09	12/08/25 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		9.98		mg/Kg			12/08/25 12:15	1

Client Sample ID: SW - 8

Lab Sample ID: 890-9172-18

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 23:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 23:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 23:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 23:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:51	12/07/25 23:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/25 08:51	12/07/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/07/25 08:51	12/07/25 23:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/07/25 08:51	12/07/25 23:11	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 8

Lab Sample ID: 890-9172-18

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			12/07/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	177		49.8		mg/Kg			12/08/25 13:59	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		12/08/25 08:09	12/08/25 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 08:09	12/08/25 13:59	1
Oil Range Organics (Over C28-C36)	177		49.8		mg/Kg		12/08/25 08:09	12/08/25 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	157	S1+	70 - 130	12/08/25 08:09	12/08/25 13:59	1
o-Terphenyl (Surr)	136	S1+	70 - 130	12/08/25 08:09	12/08/25 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.7		10.1		mg/Kg			12/08/25 12:21	1

Client Sample ID: SW - 9

Lab Sample ID: 890-9172-19

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 23:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 23:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:51	12/07/25 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/07/25 08:51	12/07/25 23:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/07/25 08:51	12/07/25 23:31	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			12/07/25 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	213		50.1		mg/Kg			12/08/25 14:12	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	<50.1	U	50.1		mg/Kg		12/08/25 08:09	12/08/25 14:12	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 9

Lab Sample ID: 890-9172-19

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 08:09	12/08/25 14:12	1
Oil Range Organics (Over C28-C36)	213		50.1		mg/Kg		12/08/25 08:09	12/08/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	155	S1+	70 - 130				12/08/25 08:09	12/08/25 14:12	1
o-Terphenyl (Surr)	135	S1+	70 - 130				12/08/25 08:09	12/08/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.3		10.1		mg/Kg			12/08/25 12:27	1

Client Sample ID: SW - 10

Lab Sample ID: 890-9172-20

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:51	12/07/25 23:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 23:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 23:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 23:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/25 08:51	12/07/25 23:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/25 08:51	12/07/25 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/07/25 08:51	12/07/25 23:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/07/25 08:51	12/07/25 23:52	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			12/07/25 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.5		49.9		mg/Kg			12/08/25 14:27	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		12/08/25 08:09	12/08/25 14:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:09	12/08/25 14:27	1
Oil Range Organics (Over C28-C36)	63.5		49.9		mg/Kg		12/08/25 08:09	12/08/25 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	157	S1+	70 - 130				12/08/25 08:09	12/08/25 14:27	1
o-Terphenyl (Surr)	137	S1+	70 - 130				12/08/25 08:09	12/08/25 14:27	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 10

Lab Sample ID: 890-9172-20

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.0		9.96		mg/Kg			12/08/25 12:33	1

Client Sample ID: SW - 11

Lab Sample ID: 890-9172-21

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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		12/07/25 08:34	12/07/25 18:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:34	12/07/25 18:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:34	12/07/25 18:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/07/25 08:34	12/07/25 18:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/07/25 08:34	12/07/25 18:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/07/25 08:34	12/07/25 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/07/25 08:34	12/07/25 18:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/07/25 08:34	12/07/25 18:56	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			12/07/25 18:56	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			12/08/25 14:41	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		12/08/25 08:09	12/08/25 14:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 08:09	12/08/25 14:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 08:09	12/08/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	144	S1+	70 - 130	12/08/25 08:09	12/08/25 14:41	1
o-Terphenyl (Surr)	127		70 - 130	12/08/25 08:09	12/08/25 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		10.1		mg/Kg			12/08/25 12:39	1

Client Sample ID: SW - 12

Lab Sample ID: 890-9172-22

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 19:16	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 12

Lab Sample ID: 890-9172-22

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/25 08:34	12/07/25 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/25 08:34	12/07/25 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/07/25 08:34	12/07/25 19:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/07/25 08:34	12/07/25 19:16	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			12/07/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	173		50.0		mg/Kg			12/08/25 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 14:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 14:56	1
Oil Range Organics (Over C28-C36)	173		50.0		mg/Kg		12/08/25 08:09	12/08/25 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	150	S1+	70 - 130				12/08/25 08:09	12/08/25 14:56	1
o-Terphenyl (Surr)	130		70 - 130				12/08/25 08:09	12/08/25 14:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.1		9.96		mg/Kg			12/08/25 12:56	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-65765-A-1-E MS	Matrix Spike	104	93
880-65765-A-1-F MSD	Matrix Spike Duplicate	104	90
890-9172-1	CS - 1	105	95
890-9172-1 MS	CS - 1	96	93
890-9172-1 MSD	CS - 1	113	92
890-9172-2	CS - 2	113	99
890-9172-3	CS - 3	114	97
890-9172-4	CS - 4	109	84
890-9172-5	CS - 5	111	97
890-9172-6	CS - 6	114	97
890-9172-7	CS - 7	91	83
890-9172-8	CS - 8	100	91
890-9172-9	CS - 9	110	98
890-9172-10	CS - 10	105	98
890-9172-11	SW - 1	101	93
890-9172-12	SW - 2	111	97
890-9172-13	SW - 3	107	92
890-9172-14	SW - 4	104	93
890-9172-15	SW - 5	113	98
890-9172-16	SW - 6	110	95
890-9172-17	SW - 7	110	90
890-9172-18	SW - 8	107	95
890-9172-19	SW - 9	100	94
890-9172-20	SW - 10	114	98
890-9172-21	SW - 11	105	87
890-9172-22	SW - 12	104	96
LCS 880-125863/1-A	Lab Control Sample	103	87
LCS 880-125866/1-A	Lab Control Sample	96	99
LCS 880-125863/2-A	Lab Control Sample Dup	101	98
LCS 880-125866/2-A	Lab Control Sample Dup	103	102
MB 880-125863/5-A	Method Blank	103	85
MB 880-125866/5-A	Method Blank	115	98

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9172-1	CS - 1	98	109
890-9172-1 MS	CS - 1	110	106
890-9172-1 MSD	CS - 1	110	110
890-9172-2	CS - 2	97	104
890-9172-3	CS - 3	94	103
890-9172-4	CS - 4	98	104
890-9172-5	CS - 5	95	103

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Surrogate Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9172-6	CS - 6	108	119
890-9172-7	CS - 7	109	116
890-9172-8	CS - 8	106	112
890-9172-9	CS - 9	100	107
890-9172-10	CS - 10	109	116
890-9172-11	SW - 1	125	137 S1+
890-9172-12	SW - 2	101	112
890-9172-13	SW - 3	154 S1+	133 S1+
890-9172-13 MS	SW - 3	168 S1+	133 S1+
890-9172-13 MSD	SW - 3	163 S1+	132 S1+
890-9172-14	SW - 4	158 S1+	138 S1+
890-9172-15	SW - 5	150 S1+	131 S1+
890-9172-16	SW - 6	161 S1+	137 S1+
890-9172-17	SW - 7	154 S1+	136 S1+
890-9172-18	SW - 8	157 S1+	136 S1+
890-9172-19	SW - 9	155 S1+	135 S1+
890-9172-20	SW - 10	157 S1+	137 S1+
890-9172-21	SW - 11	144 S1+	127
890-9172-22	SW - 12	150 S1+	130
LCS 880-125858/2-A	Lab Control Sample	102	100
LCS 880-125860/2-A	Lab Control Sample	163 S1+	130
LCSD 880-125858/3-A	Lab Control Sample Dup	100	99
LCSD 880-125860/3-A	Lab Control Sample Dup	175 S1+	139 S1+
MB 880-125858/1-A	Method Blank	79	84
MB 880-125860/1-A	Method Blank	131 S1+	113

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
 OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125863/5-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/25 08:34	12/07/25 15:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/07/25 08:34	12/07/25 15:51	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/07/25 08:34	12/07/25 15:51	1

Lab Sample ID: LCS 880-125863/1-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.08914		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1616		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07797		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-125863/2-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1064		mg/Kg		106	70 - 130	5	35
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130	31	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	29	35

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

Lab Sample ID: 880-65765-A-1-E MS
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.05910	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1	0.100	0.06095	F1	mg/Kg		61	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

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

Lab Sample ID: 880-65765-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125849

Prep Batch: 125863

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.06691	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.05792	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06768	F1	mg/Kg		68	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-65765-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125849

Prep Batch: 125863

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F1	0.100	0.07685		mg/Kg		77	70 - 130	26	35
Toluene	<0.00200	U F1	0.100	0.06782	F1	mg/Kg		68	70 - 130	11	35
Ethylbenzene	<0.00200	U F1	0.100	0.07580		mg/Kg		76	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.04059	F1	mg/Kg		20	70 - 130	35	35
o-Xylene	<0.00200	U F1	0.100	0.07781		mg/Kg		78	70 - 130	14	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-125866/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125848

Prep Batch: 125866

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 15:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 15:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 15:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/25 08:51	12/07/25 15:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:51	12/07/25 15:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/25 08:51	12/07/25 15:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	115		70 - 130	12/07/25 08:51	12/07/25 15:50	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/07/25 08:51	12/07/25 15:50	1

Lab Sample ID: LCS 880-125866/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125848

Prep Batch: 125866

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1113		mg/Kg		111	70 - 130
Toluene	0.100	0.1020		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.1998		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

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

Lab Sample ID: LCS 880-125866/1-A
Matrix: Solid
Analysis Batch: 125848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09999		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-125866/2-A
Matrix: Solid
Analysis Batch: 125848

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	1	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	1	35
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2008		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	1	35

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

Lab Sample ID: 890-9172-1 MS
Matrix: Solid
Analysis Batch: 125848

Client Sample ID: CS - 1
Prep Type: Total/NA
Prep Batch: 125866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09207		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.09257		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09538		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.09136		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-9172-1 MSD
Matrix: Solid
Analysis Batch: 125848

Client Sample ID: CS - 1
Prep Type: Total/NA
Prep Batch: 125866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.07881		mg/Kg		79	70 - 130	16	35
Toluene	<0.00200	U	0.100	0.08664		mg/Kg		87	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.09834		mg/Kg		98	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1833		mg/Kg		92	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09772		mg/Kg		98	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

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

Lab Sample ID: 890-9172-1 MSD
 Matrix: Solid
 Analysis Batch: 125848

Client Sample ID: CS - 1
 Prep Type: Total/NA
 Prep Batch: 125866

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-125858/1-A
 Matrix: Solid
 Analysis Batch: 125888

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125858

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 09:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 09:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:06	12/08/25 09:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	79		70 - 130	12/08/25 08:06	12/08/25 09:33	1
o-Terphenyl (Surr)	84		70 - 130	12/08/25 08:06	12/08/25 09:33	1

Lab Sample ID: LCS 880-125858/2-A
 Matrix: Solid
 Analysis Batch: 125888

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Limit	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	806.0		mg/Kg		81	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-125858/3-A
 Matrix: Solid
 Analysis Batch: 125888

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125858

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
							Limit	RPD	Limit	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	840.1		mg/Kg		84	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	1041		mg/Kg		104	70 - 130	4	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	99		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

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

Lab Sample ID: LCS 880-125860/2-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125860

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	163	S1+	70 - 130
o-Terphenyl (Surr)	130		70 - 130

Lab Sample ID: LCSD 880-125860/3-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	932.4		mg/Kg		93	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)	1000	1162		mg/Kg		116	70 - 130	8	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	175	S1+	70 - 130
o-Terphenyl (Surr)	139	S1+	70 - 130

Lab Sample ID: 890-9172-13 MS
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: SW - 3
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	798.0		mg/Kg		80	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	954.9		mg/Kg		96	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	168	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 890-9172-13 MSD
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: SW - 3
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	776.6		mg/Kg		78	70 - 130	3
Diesel Range Organics (Over C10-C28)	<50.0	U	997	951.5		mg/Kg		95	70 - 130	0

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	163	S1+	70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125878/1-A
 Matrix: Solid
 Analysis Batch: 125899

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			12/08/25 10:31	1

Lab Sample ID: LCS 880-125878/2-A
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-125878/3-A
 Matrix: Solid
 Analysis Batch: 125899

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	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-9172-11 MS
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: SW - 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100		249	327.6		mg/Kg		91	90 - 110

Lab Sample ID: 890-9172-11 MSD
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: SW - 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		249	324.9		mg/Kg		90	90 - 110	1	20

Lab Sample ID: 890-9172-21 MS
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: SW - 11
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.7		252	276.8		mg/Kg		91	90 - 110

Lab Sample ID: 890-9172-21 MSD
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: SW - 11
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.7		252	281.1		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-125876/1-A
 Matrix: Solid
 Analysis Batch: 125909

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			12/08/25 11:23	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-125876/2-A
Matrix: Solid
Analysis Batch: 125909

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-125876/3-A
Matrix: Solid
Analysis Batch: 125909

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.8		mg/Kg		92	90 - 110	5	20

Lab Sample ID: 890-9172-1 MS
Matrix: Solid
Analysis Batch: 125909

Client Sample ID: CS - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	143		249	406.4		mg/Kg		106	90 - 110

Lab Sample ID: 890-9172-1 MSD
Matrix: Solid
Analysis Batch: 125909

Client Sample ID: CS - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	143		249	406.9		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

GC VOA

Analysis Batch: 125848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	8021B	125866
890-9172-2	CS - 2	Total/NA	Solid	8021B	125866
890-9172-3	CS - 3	Total/NA	Solid	8021B	125866
890-9172-4	CS - 4	Total/NA	Solid	8021B	125866
890-9172-5	CS - 5	Total/NA	Solid	8021B	125866
890-9172-6	CS - 6	Total/NA	Solid	8021B	125866
890-9172-7	CS - 7	Total/NA	Solid	8021B	125866
890-9172-8	CS - 8	Total/NA	Solid	8021B	125866
890-9172-9	CS - 9	Total/NA	Solid	8021B	125866
890-9172-10	CS - 10	Total/NA	Solid	8021B	125866
890-9172-11	SW - 1	Total/NA	Solid	8021B	125866
890-9172-12	SW - 2	Total/NA	Solid	8021B	125866
890-9172-13	SW - 3	Total/NA	Solid	8021B	125866
890-9172-14	SW - 4	Total/NA	Solid	8021B	125866
890-9172-15	SW - 5	Total/NA	Solid	8021B	125866
890-9172-16	SW - 6	Total/NA	Solid	8021B	125866
890-9172-17	SW - 7	Total/NA	Solid	8021B	125866
890-9172-18	SW - 8	Total/NA	Solid	8021B	125866
890-9172-19	SW - 9	Total/NA	Solid	8021B	125866
890-9172-20	SW - 10	Total/NA	Solid	8021B	125866
MB 880-125866/5-A	Method Blank	Total/NA	Solid	8021B	125866
LCS 880-125866/1-A	Lab Control Sample	Total/NA	Solid	8021B	125866
LCSD 880-125866/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125866
890-9172-1 MS	CS - 1	Total/NA	Solid	8021B	125866
890-9172-1 MSD	CS - 1	Total/NA	Solid	8021B	125866

Analysis Batch: 125849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-21	SW - 11	Total/NA	Solid	8021B	125863
890-9172-22	SW - 12	Total/NA	Solid	8021B	125863
MB 880-125863/5-A	Method Blank	Total/NA	Solid	8021B	125863
LCS 880-125863/1-A	Lab Control Sample	Total/NA	Solid	8021B	125863
LCSD 880-125863/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125863
880-65765-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	125863
880-65765-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125863

Prep Batch: 125863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-21	SW - 11	Total/NA	Solid	5035	
890-9172-22	SW - 12	Total/NA	Solid	5035	
MB 880-125863/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125863/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125863/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65765-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-65765-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 125866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	5035	
890-9172-2	CS - 2	Total/NA	Solid	5035	
890-9172-3	CS - 3	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

GC VOA (Continued)

Prep Batch: 125866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-4	CS - 4	Total/NA	Solid	5035	
890-9172-5	CS - 5	Total/NA	Solid	5035	
890-9172-6	CS - 6	Total/NA	Solid	5035	
890-9172-7	CS - 7	Total/NA	Solid	5035	
890-9172-8	CS - 8	Total/NA	Solid	5035	
890-9172-9	CS - 9	Total/NA	Solid	5035	
890-9172-10	CS - 10	Total/NA	Solid	5035	
890-9172-11	SW - 1	Total/NA	Solid	5035	
890-9172-12	SW - 2	Total/NA	Solid	5035	
890-9172-13	SW - 3	Total/NA	Solid	5035	
890-9172-14	SW - 4	Total/NA	Solid	5035	
890-9172-15	SW - 5	Total/NA	Solid	5035	
890-9172-16	SW - 6	Total/NA	Solid	5035	
890-9172-17	SW - 7	Total/NA	Solid	5035	
890-9172-18	SW - 8	Total/NA	Solid	5035	
890-9172-19	SW - 9	Total/NA	Solid	5035	
890-9172-20	SW - 10	Total/NA	Solid	5035	
MB 880-125866/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125866/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-125866/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9172-1 MS	CS - 1	Total/NA	Solid	5035	
890-9172-1 MSD	CS - 1	Total/NA	Solid	5035	

Analysis Batch: 125919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	Total BTEX	
890-9172-2	CS - 2	Total/NA	Solid	Total BTEX	
890-9172-3	CS - 3	Total/NA	Solid	Total BTEX	
890-9172-4	CS - 4	Total/NA	Solid	Total BTEX	
890-9172-5	CS - 5	Total/NA	Solid	Total BTEX	
890-9172-6	CS - 6	Total/NA	Solid	Total BTEX	
890-9172-7	CS - 7	Total/NA	Solid	Total BTEX	
890-9172-8	CS - 8	Total/NA	Solid	Total BTEX	
890-9172-9	CS - 9	Total/NA	Solid	Total BTEX	
890-9172-10	CS - 10	Total/NA	Solid	Total BTEX	
890-9172-11	SW - 1	Total/NA	Solid	Total BTEX	
890-9172-12	SW - 2	Total/NA	Solid	Total BTEX	
890-9172-13	SW - 3	Total/NA	Solid	Total BTEX	
890-9172-14	SW - 4	Total/NA	Solid	Total BTEX	
890-9172-15	SW - 5	Total/NA	Solid	Total BTEX	
890-9172-16	SW - 6	Total/NA	Solid	Total BTEX	
890-9172-17	SW - 7	Total/NA	Solid	Total BTEX	
890-9172-18	SW - 8	Total/NA	Solid	Total BTEX	
890-9172-19	SW - 9	Total/NA	Solid	Total BTEX	
890-9172-20	SW - 10	Total/NA	Solid	Total BTEX	
890-9172-21	SW - 11	Total/NA	Solid	Total BTEX	
890-9172-22	SW - 12	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

GC Semi VOA

Prep Batch: 125858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-9172-2	CS - 2	Total/NA	Solid	8015NM Prep	
890-9172-3	CS - 3	Total/NA	Solid	8015NM Prep	
890-9172-4	CS - 4	Total/NA	Solid	8015NM Prep	
890-9172-5	CS - 5	Total/NA	Solid	8015NM Prep	
890-9172-6	CS - 6	Total/NA	Solid	8015NM Prep	
890-9172-7	CS - 7	Total/NA	Solid	8015NM Prep	
890-9172-8	CS - 8	Total/NA	Solid	8015NM Prep	
890-9172-9	CS - 9	Total/NA	Solid	8015NM Prep	
890-9172-10	CS - 10	Total/NA	Solid	8015NM Prep	
890-9172-11	SW - 1	Total/NA	Solid	8015NM Prep	
890-9172-12	SW - 2	Total/NA	Solid	8015NM Prep	
MB 880-125858/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125858/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-125858/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9172-1 MS	CS - 1	Total/NA	Solid	8015NM Prep	
890-9172-1 MSD	CS - 1	Total/NA	Solid	8015NM Prep	

Prep Batch: 125860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-13	SW - 3	Total/NA	Solid	8015NM Prep	
890-9172-14	SW - 4	Total/NA	Solid	8015NM Prep	
890-9172-15	SW - 5	Total/NA	Solid	8015NM Prep	
890-9172-16	SW - 6	Total/NA	Solid	8015NM Prep	
890-9172-17	SW - 7	Total/NA	Solid	8015NM Prep	
890-9172-18	SW - 8	Total/NA	Solid	8015NM Prep	
890-9172-19	SW - 9	Total/NA	Solid	8015NM Prep	
890-9172-20	SW - 10	Total/NA	Solid	8015NM Prep	
890-9172-21	SW - 11	Total/NA	Solid	8015NM Prep	
890-9172-22	SW - 12	Total/NA	Solid	8015NM Prep	
MB 880-125860/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125860/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-125860/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9172-13 MS	SW - 3	Total/NA	Solid	8015NM Prep	
890-9172-13 MSD	SW - 3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	8015B NM	125858
890-9172-2	CS - 2	Total/NA	Solid	8015B NM	125858
890-9172-3	CS - 3	Total/NA	Solid	8015B NM	125858
890-9172-4	CS - 4	Total/NA	Solid	8015B NM	125858
890-9172-5	CS - 5	Total/NA	Solid	8015B NM	125858
890-9172-6	CS - 6	Total/NA	Solid	8015B NM	125858
890-9172-7	CS - 7	Total/NA	Solid	8015B NM	125858
890-9172-8	CS - 8	Total/NA	Solid	8015B NM	125858
890-9172-9	CS - 9	Total/NA	Solid	8015B NM	125858
890-9172-10	CS - 10	Total/NA	Solid	8015B NM	125858
890-9172-11	SW - 1	Total/NA	Solid	8015B NM	125858
890-9172-12	SW - 2	Total/NA	Solid	8015B NM	125858
MB 880-125858/1-A	Method Blank	Total/NA	Solid	8015B NM	125858

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QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

GC Semi VOA (Continued)

Analysis Batch: 125888 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-125858/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125858
LCS 880-125858/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125858
890-9172-1 MS	CS - 1	Total/NA	Solid	8015B NM	125858
890-9172-1 MSD	CS - 1	Total/NA	Solid	8015B NM	125858

Analysis Batch: 125892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-13	SW - 3	Total/NA	Solid	8015B NM	125860
890-9172-14	SW - 4	Total/NA	Solid	8015B NM	125860
890-9172-15	SW - 5	Total/NA	Solid	8015B NM	125860
890-9172-16	SW - 6	Total/NA	Solid	8015B NM	125860
890-9172-17	SW - 7	Total/NA	Solid	8015B NM	125860
890-9172-18	SW - 8	Total/NA	Solid	8015B NM	125860
890-9172-19	SW - 9	Total/NA	Solid	8015B NM	125860
890-9172-20	SW - 10	Total/NA	Solid	8015B NM	125860
890-9172-21	SW - 11	Total/NA	Solid	8015B NM	125860
890-9172-22	SW - 12	Total/NA	Solid	8015B NM	125860
MB 880-125860/1-A	Method Blank	Total/NA	Solid	8015B NM	125860
LCS 880-125860/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125860
LCS 880-125860/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125860
890-9172-13 MS	SW - 3	Total/NA	Solid	8015B NM	125860
890-9172-13 MSD	SW - 3	Total/NA	Solid	8015B NM	125860

Analysis Batch: 125983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Total/NA	Solid	8015 NM	
890-9172-2	CS - 2	Total/NA	Solid	8015 NM	
890-9172-3	CS - 3	Total/NA	Solid	8015 NM	
890-9172-4	CS - 4	Total/NA	Solid	8015 NM	
890-9172-5	CS - 5	Total/NA	Solid	8015 NM	
890-9172-6	CS - 6	Total/NA	Solid	8015 NM	
890-9172-7	CS - 7	Total/NA	Solid	8015 NM	
890-9172-8	CS - 8	Total/NA	Solid	8015 NM	
890-9172-9	CS - 9	Total/NA	Solid	8015 NM	
890-9172-10	CS - 10	Total/NA	Solid	8015 NM	
890-9172-11	SW - 1	Total/NA	Solid	8015 NM	
890-9172-12	SW - 2	Total/NA	Solid	8015 NM	
890-9172-13	SW - 3	Total/NA	Solid	8015 NM	
890-9172-14	SW - 4	Total/NA	Solid	8015 NM	
890-9172-15	SW - 5	Total/NA	Solid	8015 NM	
890-9172-16	SW - 6	Total/NA	Solid	8015 NM	
890-9172-17	SW - 7	Total/NA	Solid	8015 NM	
890-9172-18	SW - 8	Total/NA	Solid	8015 NM	
890-9172-19	SW - 9	Total/NA	Solid	8015 NM	
890-9172-20	SW - 10	Total/NA	Solid	8015 NM	
890-9172-21	SW - 11	Total/NA	Solid	8015 NM	
890-9172-22	SW - 12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

HPLC/IC

Leach Batch: 125876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Soluble	Solid	DI Leach	
890-9172-2	CS - 2	Soluble	Solid	DI Leach	
890-9172-3	CS - 3	Soluble	Solid	DI Leach	
890-9172-4	CS - 4	Soluble	Solid	DI Leach	
890-9172-5	CS - 5	Soluble	Solid	DI Leach	
890-9172-6	CS - 6	Soluble	Solid	DI Leach	
890-9172-7	CS - 7	Soluble	Solid	DI Leach	
890-9172-8	CS - 8	Soluble	Solid	DI Leach	
890-9172-9	CS - 9	Soluble	Solid	DI Leach	
890-9172-10	CS - 10	Soluble	Solid	DI Leach	
MB 880-125876/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125876/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125876/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9172-1 MS	CS - 1	Soluble	Solid	DI Leach	
890-9172-1 MSD	CS - 1	Soluble	Solid	DI Leach	

Leach Batch: 125878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-11	SW - 1	Soluble	Solid	DI Leach	
890-9172-12	SW - 2	Soluble	Solid	DI Leach	
890-9172-13	SW - 3	Soluble	Solid	DI Leach	
890-9172-14	SW - 4	Soluble	Solid	DI Leach	
890-9172-15	SW - 5	Soluble	Solid	DI Leach	
890-9172-16	SW - 6	Soluble	Solid	DI Leach	
890-9172-17	SW - 7	Soluble	Solid	DI Leach	
890-9172-18	SW - 8	Soluble	Solid	DI Leach	
890-9172-19	SW - 9	Soluble	Solid	DI Leach	
890-9172-20	SW - 10	Soluble	Solid	DI Leach	
890-9172-21	SW - 11	Soluble	Solid	DI Leach	
890-9172-22	SW - 12	Soluble	Solid	DI Leach	
MB 880-125878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9172-11 MS	SW - 1	Soluble	Solid	DI Leach	
890-9172-11 MSD	SW - 1	Soluble	Solid	DI Leach	
890-9172-21 MS	SW - 11	Soluble	Solid	DI Leach	
890-9172-21 MSD	SW - 11	Soluble	Solid	DI Leach	

Analysis Batch: 125899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-11	SW - 1	Soluble	Solid	300.0	125878
890-9172-12	SW - 2	Soluble	Solid	300.0	125878
890-9172-13	SW - 3	Soluble	Solid	300.0	125878
890-9172-14	SW - 4	Soluble	Solid	300.0	125878
890-9172-15	SW - 5	Soluble	Solid	300.0	125878
890-9172-16	SW - 6	Soluble	Solid	300.0	125878
890-9172-17	SW - 7	Soluble	Solid	300.0	125878
890-9172-18	SW - 8	Soluble	Solid	300.0	125878
890-9172-19	SW - 9	Soluble	Solid	300.0	125878
890-9172-20	SW - 10	Soluble	Solid	300.0	125878
890-9172-21	SW - 11	Soluble	Solid	300.0	125878

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QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

HPLC/IC (Continued)

Analysis Batch: 125899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-22	SW - 12	Soluble	Solid	300.0	125878
MB 880-125878/1-A	Method Blank	Soluble	Solid	300.0	125878
LCS 880-125878/2-A	Lab Control Sample	Soluble	Solid	300.0	125878
LCSD 880-125878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125878
890-9172-11 MS	SW - 1	Soluble	Solid	300.0	125878
890-9172-11 MSD	SW - 1	Soluble	Solid	300.0	125878
890-9172-21 MS	SW - 11	Soluble	Solid	300.0	125878
890-9172-21 MSD	SW - 11	Soluble	Solid	300.0	125878

Analysis Batch: 125909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-1	CS - 1	Soluble	Solid	300.0	125876
890-9172-2	CS - 2	Soluble	Solid	300.0	125876
890-9172-3	CS - 3	Soluble	Solid	300.0	125876
890-9172-4	CS - 4	Soluble	Solid	300.0	125876
890-9172-5	CS - 5	Soluble	Solid	300.0	125876
890-9172-6	CS - 6	Soluble	Solid	300.0	125876
890-9172-7	CS - 7	Soluble	Solid	300.0	125876
890-9172-8	CS - 8	Soluble	Solid	300.0	125876
890-9172-9	CS - 9	Soluble	Solid	300.0	125876
890-9172-10	CS - 10	Soluble	Solid	300.0	125876
MB 880-125876/1-A	Method Blank	Soluble	Solid	300.0	125876
LCS 880-125876/2-A	Lab Control Sample	Soluble	Solid	300.0	125876
LCSD 880-125876/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125876
890-9172-1 MS	CS - 1	Soluble	Solid	300.0	125876
890-9172-1 MSD	CS - 1	Soluble	Solid	300.0	125876

Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 1
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-1
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 16:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 12:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 12:18	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 11:39	CS	EET MID

Client Sample ID: CS - 2
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-2
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 16:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 13:01	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 11:54	CS	EET MID

Client Sample ID: CS - 3
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-3
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 16:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 13:15	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:00	CS	EET MID

Client Sample ID: CS - 4
 Date Collected: 12/05/25 00:00
 Date Received: 12/05/25 16:26

Lab Sample ID: 890-9172-4
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 17:13	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 4

Lab Sample ID: 890-9172-4

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			125983	12/08/25 13:30	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 13:30	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:05	CS	EET MID

Client Sample ID: CS - 5

Lab Sample ID: 890-9172-5

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 17:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 13:43	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:10	CS	EET MID

Client Sample ID: CS - 6

Lab Sample ID: 890-9172-6

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 17:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 13:59	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:26	CS	EET MID

Client Sample ID: CS - 7

Lab Sample ID: 890-9172-7

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 18:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 14:12	FC	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: CS - 7

Lab Sample ID: 890-9172-7

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:31	CS	EET MID

Client Sample ID: CS - 8

Lab Sample ID: 890-9172-8

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 18:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 14:27	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:36	CS	EET MID

Client Sample ID: CS - 9

Lab Sample ID: 890-9172-9

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 18:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 14:41	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:41	CS	EET MID

Client Sample ID: CS - 10

Lab Sample ID: 890-9172-10

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 19:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 14:56	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125876	12/08/25 09:37	SI	EET MID
Soluble	Analysis	300.0		1			125909	12/08/25 12:47	CS	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 1

Lab Sample ID: 890-9172-11

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 20:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 20:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 15:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 15:25	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 10:53	CS	EET MID

Client Sample ID: SW - 2

Lab Sample ID: 890-9172-12

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 21:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 15:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125858	12/08/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125888	12/08/25 15:38	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 11:11	CS	EET MID

Client Sample ID: SW - 3

Lab Sample ID: 890-9172-13

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 21:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 21:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 12:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 12:18	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 11:17	CS	EET MID

Client Sample ID: SW - 4

Lab Sample ID: 890-9172-14

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 21:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 21:49	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 4

Lab Sample ID: 890-9172-14

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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			125983	12/08/25 13:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 13:01	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 11:22	CS	EET MID

Client Sample ID: SW - 5

Lab Sample ID: 890-9172-15

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 22:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 13:15	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 11:28	CS	EET MID

Client Sample ID: SW - 6

Lab Sample ID: 890-9172-16

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 22:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 22:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 13:30	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:09	CS	EET MID

Client Sample ID: SW - 7

Lab Sample ID: 890-9172-17

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 22:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 22:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 13:43	FC	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 7

Lab Sample ID: 890-9172-17

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:15	CS	EET MID

Client Sample ID: SW - 8

Lab Sample ID: 890-9172-18

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 23:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 13:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 13:59	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:21	CS	EET MID

Client Sample ID: SW - 9

Lab Sample ID: 890-9172-19

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 23:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 14:12	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:27	CS	EET MID

Client Sample ID: SW - 10

Lab Sample ID: 890-9172-20

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125866	12/07/25 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125848	12/07/25 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 23:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 14:27	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:33	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
 SDG: Eddy County Texas

Client Sample ID: SW - 11

Lab Sample ID: 890-9172-21

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125863	12/07/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125849	12/07/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 18:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 14:41	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:39	CS	EET MID

Client Sample ID: SW - 12

Lab Sample ID: 890-9172-22

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 16:26

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	125863	12/07/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125849	12/07/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125919	12/07/25 19:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			125983	12/08/25 14:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 14:56	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 12:56	CS	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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
SDG: Eddy County Texas

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	06-30-26

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

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Method Summary

Client: Carmona Resources
Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
SDG: Eddy County Texas

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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9172-1
SDG: Eddy County Texas

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9172-1	CS - 1	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-2	CS - 2	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-3	CS - 3	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-4	CS - 4	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-5	CS - 5	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-6	CS - 6	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-7	CS - 7	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-8	CS - 8	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-9	CS - 9	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-10	CS - 10	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-11	SW - 1	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-12	SW - 2	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-13	SW - 3	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-14	SW - 4	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-15	SW - 5	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-16	SW - 6	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-17	SW - 7	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-18	SW - 8	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-19	SW - 9	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-20	SW - 10	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-21	SW - 11	Solid	12/05/25 00:00	12/05/25 16:26	Texas
890-9172-22	SW - 12	Solid	12/05/25 00:00	12/05/25 16:26	Texas

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Chain of Custody

Work Order No: _____

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Nathaniel Rose
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500 Midland, TX 79701	Address:	600 N Marinenfield St, Suite 600 Midland, TX 79701
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	Nathaniel.Rose@coterra.com & ashton.thielke@coterra.com

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

Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around		Temp Blank:	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush													
Hayduke 34 Fed Com 3H (11.06.2025)	3060	Eddy County, Texas	JDC																
 890-9172 Chain of Custody																			
BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300																			
Hold																			
CS-1 (1.5')												X		C	1			None: NO	DI Water: H ₂ O
CS-2 (1.5')												X		C	1			Cool: Cool	MeOH: Me
CS-3 (1.5')												X		C	1			HCL: HC	HNO ₃ : HN
CS-4 (1.5')												X		C	1			H ₂ SO ₄ : H ₂	NaOH: Na
CS-5 (1.5')												X		C	1			H ₃ PO ₄ : HP	
CS-6 (1.5')												X		C	1			NaHSO ₄ : MABIS	
CS-7 (1.5')												X		C	1			Na ₂ S ₂ O ₃ : NaSO ₃	
CS-8 (1.5')												X		C	1			Zn Acetate+NaOH: Zn	
CS-9 (1.5')												X		C	1			NaOH+Ascorbic Acid: SAPC	
CS-10 (1.5')												X		C	1				

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	12/8/2025	<i>[Signature]</i>	12.5



Chain of Custody

Work Order No: _____

Page 2 of 3

Project Manager: Ashton Thielke	Bill to: (if different) Nathaniel Rose	Company Name: Carmona Resources	Company Name: Cimatex Energy
Address: 310 W Wall St, Suite 500 Midland, TX 79701	Address: 600 N Marientfield St, Suite 600 Midland, TX 79701	City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79701
Phone: 432-813-8988	Email: Nathaniel.Rose@coterra.com & ashton.thielke@coterra.com		

Work Order Comments

Program: UST/PST PRP Brownfields IRC Perfund

State of Project: Level II Level III ST/UST RRP Level IV

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

Deliverables: EDD ADaPT Other: _____

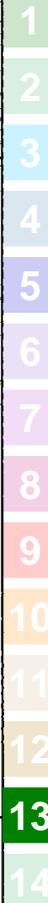
Project Name: Hayduke 34 Fed Com 3H (11.06.2025)	Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST
Project Number: 3060	Due Date: 24 Hours	Parameters	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location: Eddy County, Texas	Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Soil	DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
Sampler's Name: JDC	Thermometer ID: Inmad	Water	Hold
PO #:	Correction Factor: -9.2	Grab/Comp	
SAMPLE RECEIPT Received Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Total Containers: _____ Corrected Temperature: _____		# of Cont	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
SW-1 (1.5')	12/5/2025		X		C	1
SW-2 (1.5')	12/5/2025		X		C	1
SW-3 (1.5')	12/5/2025		X		C	1
SW-4 (1.5')	12/5/2025		X		C	1
SW-5 (1.5')	12/5/2025		X		C	1
SW-6 (1.5')	12/5/2025		X		C	1
SW-7 (1.5')	12/5/2025		X		C	1
SW-8 (1.5')	12/5/2025		X		C	1
SW-9 (1.5')	12/5/2025		X		C	1
SW-10 (1.5')	12/5/2025		X		C	1

Comments:

Relinquished by: (Signature) *[Signature]* Date/Time _____

Received by: (Signature) *[Signature]* Date/Time 12.5.



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Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact: N/A
Shipping/Receiving: N/A
Company: Eurofins Environment Testing South Cent
Address: 1211 W. Florida Ave.
City: Midland
State, Zip: TX, 79701
Phone: 432-704-5440(Tel)
Email: N/A
Project Name: HAYDUKE 34 FED COM 3H (11.06.2025)
Site: N/A
Sampler: N/A
Lab PM: Kramer, Jessica
E-Mail: Jessica.Kramer@eurofins.com
Accreditations Required (See note): NELAP - Texas
COC No: 890-6214.1
Page: Page 1 of 3
Job #: 890-9172-1
Preservation Codes:

Due Date Requested: 12/8/2025
TAT Requested (days): N/A
Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=organic, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
CS - 1 (890-9172-1)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 2 (890-9172-2)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 3 (890-9172-3)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 4 (890-9172-4)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 5 (890-9172-5)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 6 (890-9172-6)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 7 (890-9172-7)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 8 (890-9172-8)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	
CS - 9 (890-9172-9)	12/5/25		G	Solid	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
Special Instructions/QC Requirements: Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: *[Signature]* Date/Time: 12.8.25 8:00 Company:

Relinquished by: Date/Time: Company:

Relinquished by: Date/Time: Company:

Custody Seals Intact: Yes No Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

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Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

 Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A
 Phone: N/A
 Shipping/Receiving: N/A

Company: Eurofins Environment Testing South Cent

Address: 1211 W. Florida Ave.
 City: Midland
 State: TX, Zip: 79701

Phone: 432-704-5440 (Tel)
 Email: N/A

Project Name: HAYDUKE 34 FED COM 3H (11.06.2025)
 Project #: 88001161
 Site: N/A
 SSOV#: N/A

Due Date Requested: 12/8/2025
 TAT Requested (days): N/A

Lab PM: Kramer, Jessica
 E-Mail: Jessica.Kramer@eurofins.com
 Accreditations Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A
 State of Origin: Texas

COC No: 890-6214.2
 Page: Page 2 of 3
 Job #: 890-9172-1
 Preservation Codes:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=Other)	Preservation Code: (B=Tran, A=Al)	Field Filtered Sample (Yes or No)					Perform MS/MSD (Yes or No)					Total Number of containers	Special Instructions/Note:
						8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride							
CS - 10 (890-9172-10)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 1 (890-9172-11)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 2 (890-9172-12)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 3 (890-9172-13)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 4 (890-9172-14)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 5 (890-9172-15)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 6 (890-9172-16)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 7 (890-9172-17)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	
SW - 8 (890-9172-18)	12/5/25		G	Solid		X	X	X	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
 Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Special Instructions/QC Requirements: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *W. Wright* Date/Time: 12/8/25 8:00 Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9172-1
SDG Number: Eddy County Texas

Login Number: 9172

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9172-1
SDG Number: Eddy County Texas

Login Number: 9172
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 12/08/25 08:09 AM

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Carmona Resources
 310 W Wall St
 Ste 500
 Midland, Texas 79701

Generated 12/8/2025 3:18:32 PM

JOB DESCRIPTION

HAYDUKE 34 FED COM 3H (11.06.2025)
 Eddy County Texas

JOB NUMBER

890-9174-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

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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12/8/2025 3:18:32 PM

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

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Client: Carmona Resources
Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Laboratory Job ID: 890-9174-1
SDG: Eddy County Texas

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1

Job ID: 890-9174-1

Eurofins Carlsbad

Job Narrative 890-9174-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 12/5/2025 3:51 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL SAMPLE (890-9174-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-125863 and analytical batch 880-125849 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: BACKFILL SAMPLE (890-9174-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-125860 and analytical batch 880-125892 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125860/2-A), (LCSD 880-125860/3-A), (890-9172-A-13-C), (890-9172-A-13-D MS) and (890-9172-A-13-E MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

Client Sample ID: BACKFILL SAMPLE

Lab Sample ID: 890-9174-1

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 15:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:34	12/07/25 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:34	12/07/25 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:34	12/07/25 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/25 08:34	12/07/25 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/25 08:34	12/07/25 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/25 08:34	12/07/25 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/07/25 08:34	12/07/25 18:35	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/07/25 08:34	12/07/25 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/25 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/08/25 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/08/25 08:09	12/08/25 15:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/08/25 08:09	12/08/25 15:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/08/25 08:09	12/08/25 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	149	S1+	70 - 130	12/08/25 08:09	12/08/25 15:25	1
o-Terphenyl (Surr)	133	S1+	70 - 130	12/08/25 08:09	12/08/25 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		10.1		mg/Kg			12/08/25 13:02	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

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)
880-65765-A-1-E MS	Matrix Spike	104	93
880-65765-A-1-F MSD	Matrix Spike Duplicate	104	90
890-9174-1	BACKFILL SAMPLE	97	94
LCS 880-125863/1-A	Lab Control Sample	103	87
LCSD 880-125863/2-A	Lab Control Sample Dup	101	98
MB 880-125863/5-A	Method Blank	103	85

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)
890-9172-A-13-D MS	Matrix Spike	168 S1+	133 S1+
890-9172-A-13-E MSD	Matrix Spike Duplicate	163 S1+	132 S1+
890-9174-1	BACKFILL SAMPLE	149 S1+	133 S1+
LCS 880-125860/2-A	Lab Control Sample	163 S1+	130
LCSD 880-125860/3-A	Lab Control Sample Dup	175 S1+	139 S1+
MB 880-125860/1-A	Method Blank	131 S1+	113

Surrogate Legend
 1CO = 1-Chlorooctane (Surr)
 OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125863/5-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/25 08:34	12/07/25 15:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/25 08:34	12/07/25 15:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/07/25 08:34	12/07/25 15:51	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/07/25 08:34	12/07/25 15:51	1

Lab Sample ID: LCS 880-125863/1-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.08914		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1616		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07797		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-125863/2-A
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1064		mg/Kg		106	70 - 130	5	35
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130	31	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	29	35

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

Lab Sample ID: 880-65765-A-1-E MS
 Matrix: Solid
 Analysis Batch: 125849

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 125863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.05910	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1	0.100	0.06095	F1	mg/Kg		61	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

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

Lab Sample ID: 880-65765-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125849

Prep Batch: 125863

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.06691	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.05792	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06768	F1	mg/Kg		68	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-65765-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125849

Prep Batch: 125863

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F1	0.100	0.07685		mg/Kg		77	70 - 130	26	35
Toluene	<0.00200	U F1	0.100	0.06782	F1	mg/Kg		68	70 - 130	11	35
Ethylbenzene	<0.00200	U F1	0.100	0.07580		mg/Kg		76	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.04059	F1	mg/Kg		20	70 - 130	35	35
o-Xylene	<0.00200	U F1	0.100	0.07781		mg/Kg		78	70 - 130	14	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-125860/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125892

Prep Batch: 125860

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 09:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 09:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:09	12/08/25 09:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	131	S1+	70 - 130	12/08/25 08:09	12/08/25 09:33	1
o-Terphenyl (Surr)	113		70 - 130	12/08/25 08:09	12/08/25 09:33	1

Lab Sample ID: LCS 880-125860/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125892

Prep Batch: 125860

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	875.6		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1075		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

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

Lab Sample ID: LCS 880-125860/2-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125860

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	163	S1+	70 - 130
o-Terphenyl (Surr)	130		70 - 130

Lab Sample ID: LCSD 880-125860/3-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	932.4		mg/Kg		93	70 - 130	6		20
Diesel Range Organics (Over C10-C28)	1000	1162		mg/Kg		116	70 - 130	8		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	175	S1+	70 - 130
o-Terphenyl (Surr)	139	S1+	70 - 130

Lab Sample ID: 890-9172-A-13-D MS
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	798.0		mg/Kg		80	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	954.9		mg/Kg		96	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	168	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 890-9172-A-13-E MSD
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 125860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	776.6		mg/Kg		78	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	951.5		mg/Kg		95	70 - 130	0		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	163	S1+	70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125878/1-A
 Matrix: Solid
 Analysis Batch: 125899

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			12/08/25 10:31	1

Lab Sample ID: LCS 880-125878/2-A
 Matrix: Solid
 Analysis Batch: 125899

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-125878/3-A
 Matrix: Solid
 Analysis Batch: 125899

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	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-9172-A-21-E MS
 Matrix: Solid
 Analysis Batch: 125899

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	46.7		252	276.8		mg/Kg		91	90 - 110

Lab Sample ID: 890-9172-A-21-F MSD
 Matrix: Solid
 Analysis Batch: 125899

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	46.7		252	281.1		mg/Kg		93	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

GC VOA

Analysis Batch: 125849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	8021B	125863
MB 880-125863/5-A	Method Blank	Total/NA	Solid	8021B	125863
LCS 880-125863/1-A	Lab Control Sample	Total/NA	Solid	8021B	125863
LCSD 880-125863/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125863
880-65765-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	125863
880-65765-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125863

Prep Batch: 125863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	5035	
MB 880-125863/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125863/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125863/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65765-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-65765-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 125918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	8015NM Prep	
MB 880-125860/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125860/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125860/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9172-A-13-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9172-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	8015B NM	125860
MB 880-125860/1-A	Method Blank	Total/NA	Solid	8015B NM	125860
LCS 880-125860/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125860
LCSD 880-125860/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125860
890-9172-A-13-D MS	Matrix Spike	Total/NA	Solid	8015B NM	125860
890-9172-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125860

Analysis Batch: 125987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Soluble	Solid	DI Leach	
MB 880-125878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
SDG: Eddy County Texas

HPLC/IC (Continued)

Leach Batch: 125878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9172-A-21-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9172-A-21-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 125899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9174-1	BACKFILL SAMPLE	Soluble	Solid	300.0	125878
MB 880-125878/1-A	Method Blank	Soluble	Solid	300.0	125878
LCS 880-125878/2-A	Lab Control Sample	Soluble	Solid	300.0	125878
LCSD 880-125878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125878
890-9172-A-21-E MS	Matrix Spike	Soluble	Solid	300.0	125878
890-9172-A-21-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	125878

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Lab Chronicle

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

Client Sample ID: BACKFILL SAMPLE

Lab Sample ID: 890-9174-1

Date Collected: 12/05/25 00:00

Matrix: Solid

Date Received: 12/05/25 15:51

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	125863	12/07/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125849	12/07/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125918	12/07/25 18:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			125987	12/08/25 15:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	125860	12/08/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/08/25 15:25	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125878	12/08/25 09:38	SI	EET MID
Soluble	Analysis	300.0		1			125899	12/08/25 13:02	CS	EET MID

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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
SDG: Eddy County Texas

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	06-30-26

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

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Method Summary

Client: Carmona Resources
 Project/Site: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
 SDG: Eddy County Texas

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: HAYDUKE 34 FED COM 3H (11.06.2025)

Job ID: 890-9174-1
SDG: Eddy County Texas

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9174-1	BACKFILL SAMPLE	Solid	12/05/25 00:00	12/05/25 15:51	Texas

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9174-1
SDG Number: Eddy County Texas

Login Number: 9174

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9174-1
SDG Number: Eddy County Texas

Login Number: 9174
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/08/25 08:18 AM

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Carmona Resources
 310 W Wall St
 Ste 500
 Midland, Texas 79701

Generated 12/12/2025 4:44:05 PM

JOB DESCRIPTION

Hayduke 34 Fed Com 3H (11.06.2025)
 3060

JOB NUMBER

880-66023-1

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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12/12/2025 4:44:05 PM

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

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Client: Carmona Resources
Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Laboratory Job ID: 880-66023-1
SDG: 3060

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1

Job ID: 880-66023-1

Eurofins Midland

Job Narrative 880-66023-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/11/2025 2:57 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-8 (1.5') (880-66023-1), SW-9 (1.5') (880-66023-2) and SW-12 (1.5') (880-66023-3).

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-8 (1.5') (880-66023-1), SW-9 (1.5') (880-66023-2) and SW-12 (1.5') (880-66023-3).

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: (880-66019-A-3-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126413/2-A) and (LCSD 880-126413/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-66023-1

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/25 08:28	12/12/25 10:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/25 08:28	12/12/25 10:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/12/25 08:28	12/12/25 10:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/12/25 08:28	12/12/25 10:19	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			12/12/25 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/25 10:44	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		12/11/25 15:26	12/12/25 10:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/25 15:26	12/12/25 10:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/25 15:26	12/12/25 10:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	12/11/25 15:26	12/12/25 10:44	1
o-Terphenyl (Surr)	120		70 - 130	12/11/25 15:26	12/12/25 10:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		9.92		mg/Kg			12/12/25 11:55	1

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-66023-2

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00356		0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/12/25 08:28	12/12/25 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 10:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/12/25 08:28	12/12/25 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/12/25 08:28	12/12/25 10:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/12/25 08:28	12/12/25 10:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-66023-2

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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			12/12/25 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/25 10:59	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		12/11/25 15:26	12/12/25 10:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/25 15:26	12/12/25 10:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/25 15:26	12/12/25 10:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				12/11/25 15:26	12/12/25 10:59	1
o-Terphenyl (Surr)	113		70 - 130				12/11/25 15:26	12/12/25 10:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		9.94		mg/Kg			12/12/25 12:02	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-66023-3

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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		12/12/25 08:28	12/12/25 11:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/12/25 08:28	12/12/25 11:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/12/25 08:28	12/12/25 11:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/12/25 08:28	12/12/25 11:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/12/25 08:28	12/12/25 11:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/12/25 08:28	12/12/25 11:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/12/25 08:28	12/12/25 11:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/12/25 08:28	12/12/25 11:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/12/25 11:00	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			12/12/25 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/11/25 15:26	12/12/25 11:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/11/25 15:26	12/12/25 11:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-66023-3

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/11/25 15:26	12/12/25 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				12/11/25 15:26	12/12/25 11:15	1
o-Terphenyl (Surr)	112		70 - 130				12/11/25 15:26	12/12/25 11:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.4		9.92		mg/Kg			12/12/25 12:09	1

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

Surrogate Summary

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-66023-1	SW-8 (1.5')	108	99
880-66023-1 MS	SW-8 (1.5')	98	97
880-66023-1 MSD	SW-8 (1.5')	100	103
880-66023-2	SW-9 (1.5')	99	94
880-66023-3	SW-12 (1.5')	104	90
LCS 880-126442/1-A	Lab Control Sample	99	101
LCSD 880-126442/2-A	Lab Control Sample Dup	101	104
MB 880-126442/5-A	Method Blank	111	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-66019-A-3-B MS	Matrix Spike	96	117
880-66019-A-3-C MSD	Matrix Spike Duplicate	103	137 S1+
880-66023-1	SW-8 (1.5')	107	120
880-66023-2	SW-9 (1.5')	99	113
880-66023-3	SW-12 (1.5')	98	112
LCS 880-126413/2-A	Lab Control Sample	104	132 S1+
LCSD 880-126413/3-A	Lab Control Sample Dup	107	143 S1+
MB 880-126413/1-A	Method Blank	112	119

Surrogate Legend
 1CO = 1-Chlorooctane (Surr)
 OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126442/5-A
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 09:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 09:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 09:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/25 08:28	12/12/25 09:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:28	12/12/25 09:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/25 08:28	12/12/25 09:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/12/25 08:28	12/12/25 09:58	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/12/25 08:28	12/12/25 09:58	1

Lab Sample ID: LCS 880-126442/1-A
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	0.100	0.09586		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09254		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09136		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-126442/2-A
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1008		mg/Kg		101	70 - 130	0	35
Toluene	0.100	0.09381		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09807		mg/Kg		98	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1823		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09177		mg/Kg		92	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-66023-1 MS
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: SW-8 (1.5')
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08569		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08862		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

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

Lab Sample ID: 880-66023-1 MS
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: SW-8 (1.5')
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.09788		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1822		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.08718		mg/Kg		87	70 - 130

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

Lab Sample ID: 880-66023-1 MSD
 Matrix: Solid
 Analysis Batch: 126443

Client Sample ID: SW-8 (1.5')
 Prep Type: Total/NA
 Prep Batch: 126442

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09218		mg/Kg		92	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.08535		mg/Kg		85	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08627		mg/Kg		86	70 - 130	13	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1683		mg/Kg		84	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08399		mg/Kg		84	70 - 130	4	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-126413/1-A
 Matrix: Solid
 Analysis Batch: 126466

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 126413

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/11/25 15:26	12/12/25 07:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/11/25 15:26	12/12/25 07:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/11/25 15:26	12/12/25 07:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	112		70 - 130	12/11/25 15:26	12/12/25 07:10	1
o-Terphenyl (Surr)	119		70 - 130	12/11/25 15:26	12/12/25 07:10	1

Lab Sample ID: LCS 880-126413/2-A
 Matrix: Solid
 Analysis Batch: 126466

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 126413

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	883.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.7		mg/Kg		98	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

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

Lab Sample ID: LCS 880-126413/2-A
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126413

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: LCSD 880-126413/3-A
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126413

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	901.0		mg/Kg		90	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1029		mg/Kg		103	70 - 130	5	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	143	S1+	70 - 130

Lab Sample ID: 880-66019-A-3-B MS
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 126413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	786.9		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	851.6		mg/Kg		84	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	117		70 - 130

Lab Sample ID: 880-66019-A-3-C MSD
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 126413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	848.4		mg/Kg		85	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	986.7		mg/Kg		97	70 - 130	15	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	137	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126438/1-A
 Matrix: Solid
 Analysis Batch: 126447

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			12/12/25 10:19	1

Lab Sample ID: LCS 880-126438/2-A
 Matrix: Solid
 Analysis Batch: 126447

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.0		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-126438/3-A
 Matrix: Solid
 Analysis Batch: 126447

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	255.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-65993-A-1-B MS
 Matrix: Solid
 Analysis Batch: 126447

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	68.3		249	321.7		mg/Kg		102	90 - 110

Lab Sample ID: 880-65993-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 126447

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	68.3		249	319.9		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

GC VOA

Prep Batch: 126442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	5035	
880-66023-2	SW-9 (1.5')	Total/NA	Solid	5035	
880-66023-3	SW-12 (1.5')	Total/NA	Solid	5035	
MB 880-126442/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126442/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126442/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66023-1 MS	SW-8 (1.5')	Total/NA	Solid	5035	
880-66023-1 MSD	SW-8 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 126443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	8021B	126442
880-66023-2	SW-9 (1.5')	Total/NA	Solid	8021B	126442
880-66023-3	SW-12 (1.5')	Total/NA	Solid	8021B	126442
MB 880-126442/5-A	Method Blank	Total/NA	Solid	8021B	126442
LCS 880-126442/1-A	Lab Control Sample	Total/NA	Solid	8021B	126442
LCSD 880-126442/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126442
880-66023-1 MS	SW-8 (1.5')	Total/NA	Solid	8021B	126442
880-66023-1 MSD	SW-8 (1.5')	Total/NA	Solid	8021B	126442

Analysis Batch: 126567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-66023-2	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-66023-3	SW-12 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-66023-2	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-66023-3	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-126413/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126413/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126413/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-66019-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-66019-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	8015B NM	126413
880-66023-2	SW-9 (1.5')	Total/NA	Solid	8015B NM	126413
880-66023-3	SW-12 (1.5')	Total/NA	Solid	8015B NM	126413
MB 880-126413/1-A	Method Blank	Total/NA	Solid	8015B NM	126413
LCS 880-126413/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126413
LCSD 880-126413/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126413
880-66019-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	126413
880-66019-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	126413

QC Association Summary

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

GC Semi VOA

Analysis Batch: 126577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-66023-2	SW-9 (1.5')	Total/NA	Solid	8015 NM	
880-66023-3	SW-12 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-66023-2	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-66023-3	SW-12 (1.5')	Soluble	Solid	DI Leach	
MB 880-126438/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126438/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126438/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65993-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65993-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 126447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66023-1	SW-8 (1.5')	Soluble	Solid	300.0	126438
880-66023-2	SW-9 (1.5')	Soluble	Solid	300.0	126438
880-66023-3	SW-12 (1.5')	Soluble	Solid	300.0	126438
MB 880-126438/1-A	Method Blank	Soluble	Solid	300.0	126438
LCS 880-126438/2-A	Lab Control Sample	Soluble	Solid	300.0	126438
LCSD 880-126438/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126438
880-65993-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	126438
880-65993-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	126438

Lab Chronicle

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-66023-1

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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	126442	12/12/25 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126443	12/12/25 10:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126567	12/12/25 10:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			126577	12/12/25 10:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126413	12/11/25 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126466	12/12/25 10:44	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126438	12/12/25 07:47	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126447	12/12/25 11:55	SMC	EET MID

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-66023-2

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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	126442	12/12/25 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126443	12/12/25 10:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126567	12/12/25 10:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126577	12/12/25 10:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126413	12/11/25 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126466	12/12/25 10:59	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126438	12/12/25 07:47	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126447	12/12/25 12:02	SMC	EET MID

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-66023-3

Date Collected: 12/11/25 00:00

Matrix: Solid

Date Received: 12/11/25 14:57

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	126442	12/12/25 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126443	12/12/25 11:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126567	12/12/25 11:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126577	12/12/25 11:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126413	12/11/25 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126466	12/12/25 11:15	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126438	12/12/25 07:47	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126447	12/12/25 12:09	SMC	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: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
SDG: 3060

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	06-30-26

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

Method Summary

Client: Carmona Resources
 Project/Site: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
 SDG: 3060

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: Hayduke 34 Fed Com 3H (11.06.2025)

Job ID: 880-66023-1
SDG: 3060

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-66023-1	SW-8 (1.5')	Solid	12/11/25 00:00	12/11/25 14:57	Texas
880-66023-2	SW-9 (1.5')	Solid	12/11/25 00:00	12/11/25 14:57	Texas
880-66023-3	SW-12 (1.5')	Solid	12/11/25 00:00	12/11/25 14:57	Texas

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-66023-1

SDG Number: 3060

Login Number: 66023

List Number: 1

Creator: Neeld, Linsey

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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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 534978

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2531169591
Incident Name	NAPP2531169591 HAYDUKE 34 FEDERAL COM 3H. THE @ E-34-25S-26E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Hayduke 34 Federal Com 3H. The
Date Release Discovered	11/07/2025
Surface Owner	Federal

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: Human Error Other (Specify) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 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 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	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>

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	<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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/15/2025
--	--

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QUESTIONS, Page 3

Action 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
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	Between ½ and 1 (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)	408
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	213
GRO+DRO (EPA SW-846 Method 8015M)	213
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	12/01/2025
On what date will (or did) the final sampling or liner inspection occur	12/11/2025
On what date will (or was) the remediation complete(d)	12/11/2025
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	768
What is the estimated volume (in cubic yards) that will be remediated	49

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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QUESTIONS, Page 4

Action 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	FEEM0112342028 LEA LAND LANDFILL
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.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/15/2025
--	--

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

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QUESTIONS, Page 5

Action 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	532938
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	950

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	768
What was the total volume (cubic yards) remediated	49
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)	All contaminated areas were hydro-excavated and mechanically excavated until all contamination was removed from the site.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/15/2025
--	--

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QUESTIONS, Page 7

Action 534978

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 534978

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 534978
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Closure report approved; release resolved, however, significant watercourse and wetland riverine are approximately 1000 feet (ft.) from closest edge of the release, but still met the setback of 300 ft.	2/13/2026