

Facility Name & Well Number(s):				JR Horz		Release Discovery Date & Time:			
Provide any known details about the event:						Primary Cause (dropdown):		Secondary Cause (dropdown):	
				Was the Release to Soil / Caliche (dropdown):	Release On/Off Pad (dropdown):	Recovered Volume (bbl.) (if available, not included in volume calculations)	Release Type (dropdown):		Method of Determination (dropdown):
BU:	Permian	Asset Area:	DBW - Gypsum Land Complex	Yes	On-Pad		Oil Mixture		
Known Volume (dropdown):				Yes	Percentage of Oil if Spilled Fluid is a Mixture (%)	Known Volume of Spill (bbl.)		Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Released to Imaging: 10/7/2025 2:59:41 PM					20%	2		0.4000	1.6000



SITE INFORMATION

Closure Report
JR Horz #3H
Eddy County, New Mexico
Incident ID: nAPP2510447070
Unit B Sec 36 T18S R31E
32.063253°, -103.968933°

Crude Oil Release
Point of Release: Flare Fire
Release Date: 04.10.2024
Volume Released: 2 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



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

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

**TABLE OF CONTENTS**

1.0 SITE INFORMATION AND BACKGROUND**2.0 SITE CHARACTERIZATION AND GROUNDWATER****3.0 NMAC REGULATORY CRITERIA****4.0 SITE ASSESSMENT ACTIVITIES****5.0 REMEDIATION ACTIVITIES****6.0 CONCLUSIONS****FIGURES****FIGURE 1 OVERVIEW****FIGURE 2 TOPOGRAPHIC****FIGURE 3 SAMPLE LOCATION****FIGURE 4 EXCAVATION****APPENDICES****APPENDIX A TABLES****APPENDIX B PHOTOS****APPENDIX C N.O.R./NMOCD CORRESPONDENCE****APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER****APPENDIX E LABORATORY REPORTS**

August 12, 2025

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

Re: Closure Report
JR Horz #3H
Incident ID: nAPP2510447070
Concho Operating, LLC
Site Location: Unit B, S36, T18S, R31E
(Lat 32.063253°, Long -103.968933°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities at the JR Horz #3H. The site is located at 32.063253, -103.968933 within Unit B, S36, T18S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release and initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 10, 2024, due to equipment failure sending fluid to the flare causing a fire. The incident released approximately two (2) barrels of crude oil with zero (0) barrels of crude oil recovered. The impacted area occurred on the pad, as shown in Figure 3. The Notice of Release and initial C-141 forms are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.16 miles Southeast of the site in S11, T26S, R29E and was drilled in 1996. The well has a reported depth to groundwater of 120.86' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On April 30, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 & S-2) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 2' bgs inside and surrounding the



release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on July 11, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 1.5' and the area of S-2 was excavated to a depth of 3' to ensure the removal of all impacted material. A total of seven (7) confirmation floor samples were collected (CS-1 through CS-7), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Prior to backfilling, a composite sample of the material was collected to ensure it was clean and non-waste containing material. Refer to Table 2 for the analytical results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 64 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

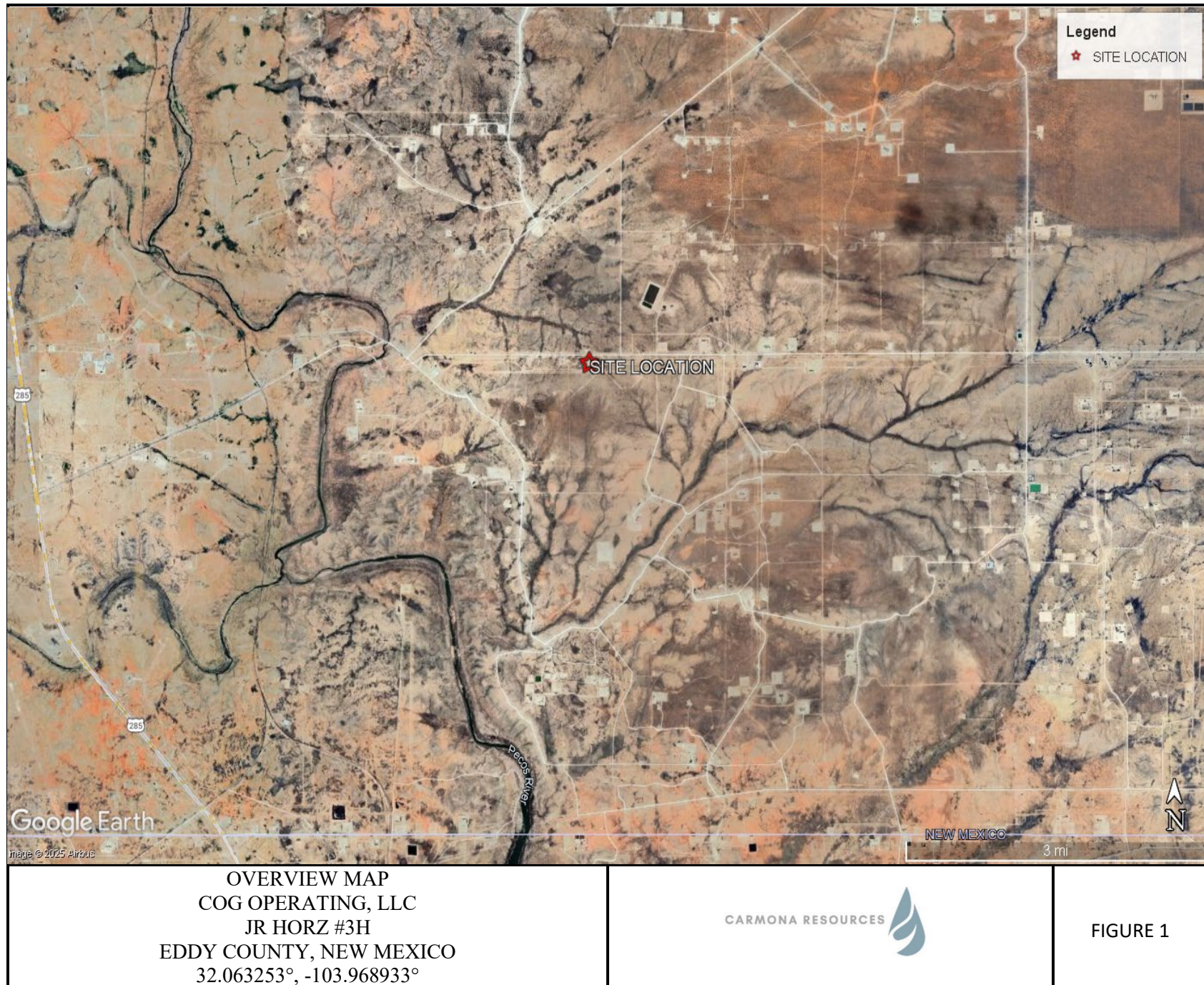
Conner Moehring
Environmental Manager

Stephen Reyes
Sr. Project Manager

FIGURES

CARMONA RESOURCES



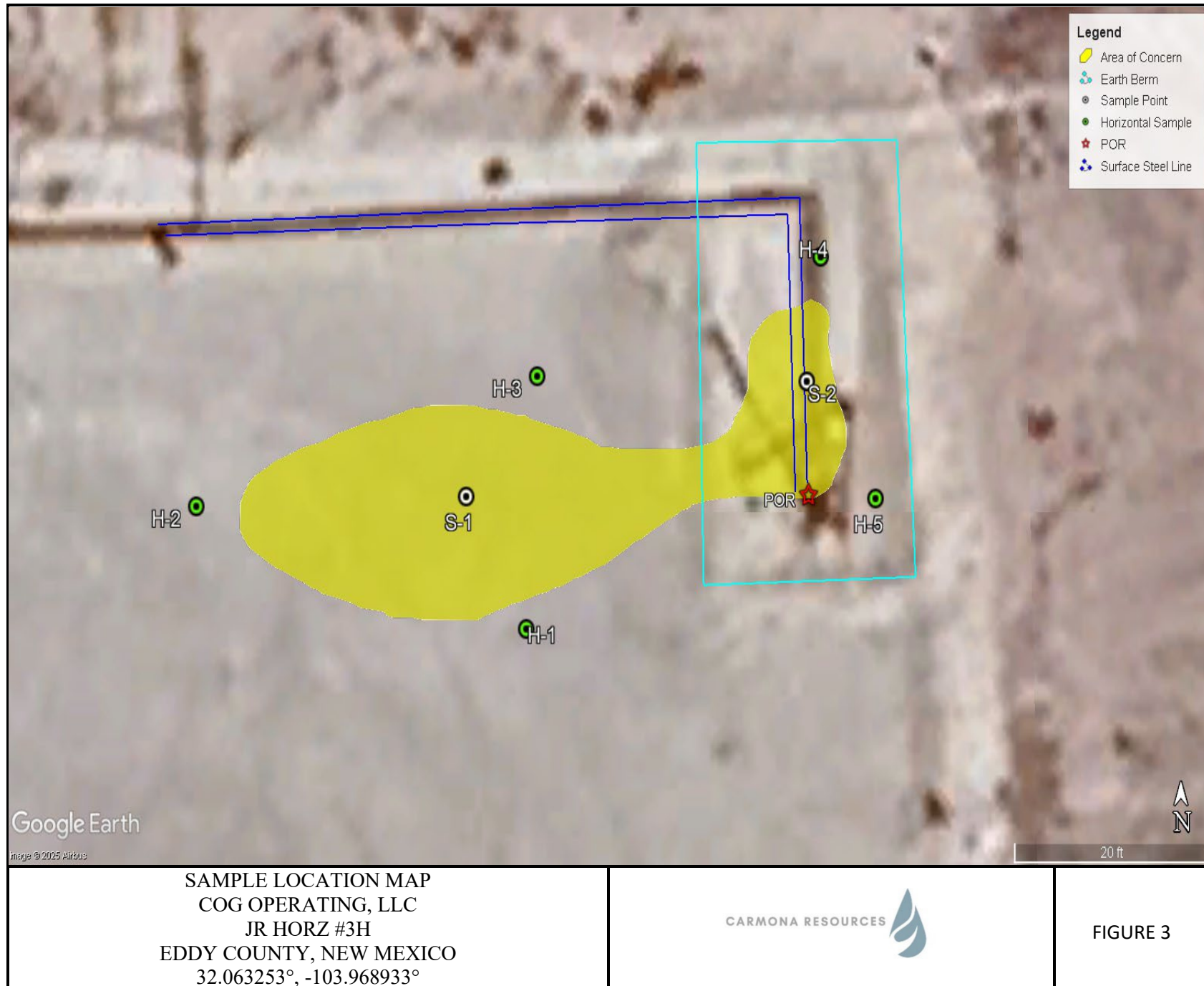


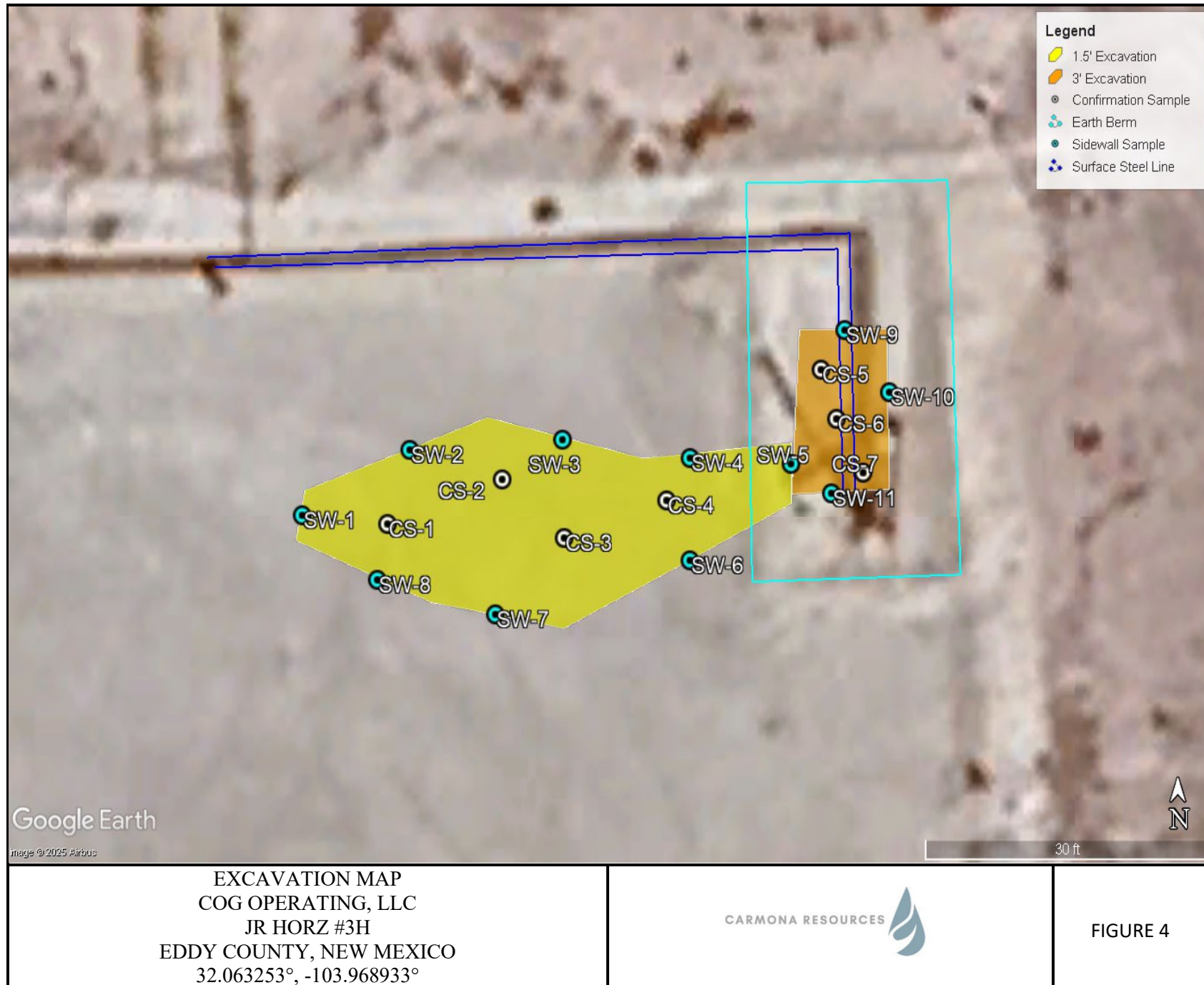


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 JR HORZ #3H
 EDDY COUNTY, NEW MEXICO
 32.063253°, -103.968933°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
JR Horz #3H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	4/30/2025	0-0.5'	<50.0	757	<50.0	757	<0.00202	0.00271	<0.00202	<0.00404	<0.00404	99.8
	4/30/2025	1'	<50.5	81.9	<50.5	81.9	<0.00199	<0.00199	0.00291	<0.00398	0.00618	138
	4/30/2025	1.5'	<50.3	88.5	<50.3	88.5	<0.00200	0.00326	0.00551	<0.00399	0.0113	85.6
S-2	4/30/2025	0-0.5'	81.1	2410	81.1	2410	<0.00202	<0.00202	<0.00202	0.0263	0.0263	102
	4/30/2025	1'	<50.0	136	<50.0	136	<0.00201	0.00318	<0.00201	<0.00402	<0.00402	92.7
	4/30/2025	1.5'	<49.8	52.2	<49.8	52.2	<0.00199	0.00209	0.00206	0.00415	0.00415	73.6
	4/30/2025	2'	<50.0	175	<50.0	175	<0.00200	<0.00200	0.00276	<0.00400	<0.00400	113.0
H-1	4/30/2025	0-0.5'	<49.8	150	<49.8	150	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
H-2	4/30/2025	0-0.5'	<49.8	60.7	<49.8	60.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	116
H-3	4/30/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	105
H-4	4/30/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	82.9
H-5	4/30/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

(S) Sample Point

 Removed

Table 2
Conoco Phillips
JR Horz #3H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	7/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	232
CS-2	7/15/2025	1.5'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	269
CS-3	7/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	268
CS-4	7/15/2025	1.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	295
CS-5	7/15/2025	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	195
CS-6	7/15/2025	3'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	223
CS-7	7/15/2025	3'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	185
SW-1	7/15/2025	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.8
SW-2	7/15/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.6
SW-3	7/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	91.0
SW-4	7/15/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	89.9
SW-5	7/15/2025	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.9
SW-6	7/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.7
SW-7	7/15/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.2
SW-8	7/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	73.6
SW-9	7/15/2025	3'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	282
SW-10	7/15/2025	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	266
SW-11	7/15/2025	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	261
Backfill Sample	7/15/2025	"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	83.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: JR Horz #3H

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-1



Photograph No. 2

Facility: JR Horz #3H

County: Eddy County, New Mexico

Description:

View Northeast, area CS-2 and CS-3



Photograph No. 3

Facility: JR Horz #3H

County: Eddy County, New Mexico

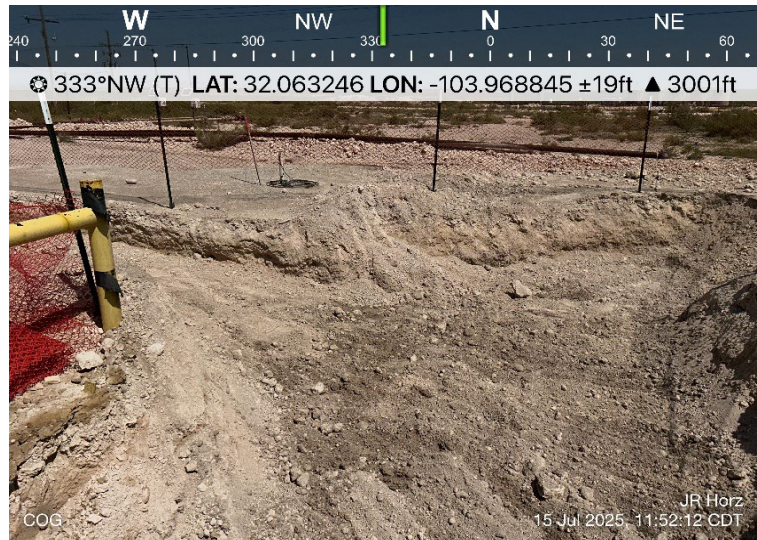
Description:

View Southeast, area of CS-4

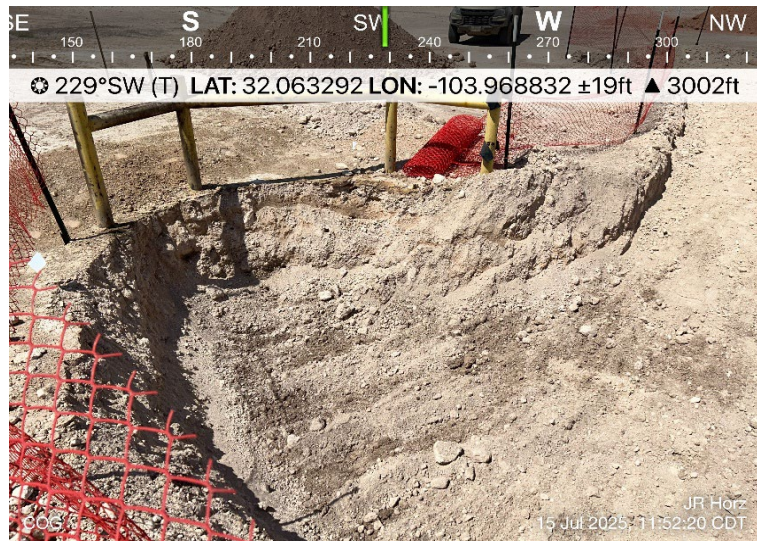


PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 4****Facility:** JR Horz #3H**County:** Eddy County, New Mexico**Description:**

View Northwest area of CS-5

**Photograph No. 5****Facility:** JR Horz #3H**County:** Eddy County, New Mexico**Description:**

View Southwest area of CS-6 and CS-7



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 451665

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 451665
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Jr Horz 3H
Date Release Discovered	04/10/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 451665

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 451665
	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)	More volume information must be supplied to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

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

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1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 451665

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 451665
	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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Santa Fe, NM 87505

CONDITIONS

Action 451665

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 451665
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/14/2025

Facility Name & Well Number(s):				JR Horz		Release Discovery Date & Time:			
Provide any known details about the event:						Primary Cause (dropdown):		Secondary Cause (dropdown):	
				Was the Release to Soil / Caliche (dropdown):	Release On/Off Pad (dropdown):	Recovered Volume (bbl.) (if available, not included in volume calculations)	Release Type (dropdown):		Method of Determination (dropdown):
BU:	Permian	Asset Area:	DBW - Gypsum Land Complex	Yes	On-Pad		Oil Mixture		
Known Volume (dropdown):				Yes	Percentage of Oil if Spilled Fluid is a Mixture (%)	Known Volume of Spill (bbl.)		Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Released to Imaging: 10/3/2025 2:59:41 PM					20%	2		0.4000	1.6000

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

QUESTIONS

Action 461261

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 461261
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510447070
Incident Name	NAPP2510447070 JR HORZ 3H @ 30-015-37145
Incident Type	Fire
Incident Status	Initial C-141 Received
Incident Well	[30-015-37145] NERVOUS HORZ COM #003H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jr Horz 3H
Date Release Discovered	04/10/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Fire Other (Specify) Produced Water Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 461261

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 461261
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/13/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 461261

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 461261
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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

CONDITIONS

Action 461261

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 461261
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The initial C-141 is approved. Please note that the due date was 04/25/2024.	5/13/2025

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 484128

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 484128
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510447070
Incident Name	NAPP2510447070 JR HORZ 3H @ 30-015-37145
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Well	[30-015-37145] NERVOUS HORZ COM #003H

Location of Release Source	
Site Name	Jr Horz 3H
Date Release Discovered	04/10/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	832
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/15/2025
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	32.063262, -103.968852

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 484128

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 484128
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/11/2025
jacquih	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.	7/11/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG OPERATING LLC

Legend

- 0.50 Mile Radius
- 0.62 Miles
- 1.16 Miles
- Groundwater Determination Bore
- JR'S HORZ FEDERAL COM #003
- USGS Water Well

110' GWDB - Drilled 2023

JR'S HORZ FEDERAL COM #003

120.86' - Drilled 1992



Medium Karst

COG OPERATING LLC

Legend

- JR'S HORZ FEDERAL COM #003
- Medium

JR'S HORZ FEDERAL COM #003





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)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 04755 POD1		CUB	ED	SE	NW	SW	12	26S	29E	599787.4	3546971.4		2652		40	
C 04755 POD3		CUB	ED	SE	NW	SW	12	26S	29E	599747.8	3546862.3		2654		103	
C 04720 POD1		CUB	ED	SE	NW	SW	12	26S	29E	599807.3	3546968.8		2672			
C 04720 POD4		CUB	ED	SE	NW	SW	12	26S	29E	599812.4	3546955.0		2681			
C 04720 POD2		CUB	ED	SE	NW	SW	12	26S	29E	599835.7	3546932.1		2711			
C 04720 POD3		CUB	ED	SE	NW	SW	12	26S	29E	599835.7	3546932.1		2711			
C 04720 POD5		CUB	ED	SE	NW	SW	12	26S	29E	599840.0	3546920.4		2719	20		
C 04755 POD2		CUB	ED	SE	NW	SW	12	26S	29E	599857.0	3546955.1		2723	25		
C 04720 POD6		CUB	ED	SE	NW	SW	12	26S	29E	599857.7	3546880.9		2750	31		
C 04473 POD1		CUB	ED	SW	SE	SW	33	25S	29E	595018.5	3549768.7		2960	110		
C 04705 POD1		CUB	ED	NE	NW	NE	35	25S	29E	598866.5	3551191.8		3672			

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 11

UTM Filters (in meters):

Easting: 597293.13

Northing: 3547873.64

Radius: 4000

* UTM location was derived from PLSS - see Help

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

SOIL BORING / MONITORING WELL LOG

PROJECT: JR Horz DRILLING COMPANY: _____
 PROJECT NUMBER: AR227020 DRILLER: _____
 CLIENT: _____ DRILLING METHOD: _____
 BORING / WELL NUMBER: _____ BORE HOLE DIAMETER: _____
 TOTAL DEPTH: 110 SCREEN: Diam. _____ Length _____ Slot Size _____
 TOP OF CASING: _____ CASING: Diam. _____ Length _____ Type _____
 FIELD PERSONNEL: Justin Friend DATE DRILLED: 4/12/2023
 LOCATION: 32.061678, -103.979788 PAGE 1 of 2

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0			NA	1			Silty sand with some gravel (Grain size: Silt to V-fine sand and gravel) Light brown	0
10			NA	1			Silty sand with some gravel (Grain size: Silt to V-fine sand and gravel) Light brown	10
20			NA	1			Silty sand with gravel (Grain size: Silt to V-fine sand and gravel) Light brown	20
30			NA	1			Gravel and some clay (Grain size: Clay and gravel) Light brown	30
40			NA	1			Silty sand (Grain size: Silt to V-fine sand) Light brown	40
50			NA	1			Silty sand (Grain size: Silt to V-fine sand) Light brown	50
60			NA	1			Clayey sand (Grain size: Clay to V-fine sand) Light brown	60

REMARKS:

Sample interval 10 feet

THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

Terracon

MWL30 MW-BLANK.GPJ 7/28/06

SOIL BORING / MONITORING WELL LOG

PROJECT: JR Horz DRILLING COMPANY: _____
 PROJECT NUMBER: AR227020 DRILLER: _____
 CLIENT: _____ DRILLING METHOD: _____
 BORING / WELL NUMBER: _____ BORE HOLE DIAMETER: _____
 TOTAL DEPTH: 110 SCREEN: Diam. _____ Length _____ Slot Size _____
 TOP OF CASING: _____ CASING: Diam. _____ Length _____ Type _____
 FIELD PERSONNEL: Justin Friend DATE DRILLED: 4/12/2023
 LOCATION: 32.061678, -103.979788 PAGE 2

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
70			NA	1			Clayey sand (Grain size: Clay to V-fine sand) Light brown	70
80			NA	1			Fine silty sand, some clay (Grain size: Clay to fine sand) Tan/light brown	80
90			NA	1			Very fine sand with some clay and gravel (Grain size: Clay to fine sand and gravel) Brown	90
100			NA	1			Clayey sand (Grain size: Clay to fine sand) Light brown	100
110			NA	1			Clayey sand (Grain size: Clay to fine sand) Light brown The end of the bit had traces of clay and no moisture Gauging the bore hole has reviled no traces of ground water at the location. Gauging was completed at 11:15 AM 4/17/2023	110

REMARKS:

Sample interval 10 feet

THIS LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

Terracon

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	? Metho meast
						Groundwater	New Mexico	GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320301103572201

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

USGS 320301103572201 26S.29E.16.213241

Eddy County, New Mexico
Latitude 32°03'01", Longitude 103°57'22" NAD27
Land-surface elevation 2,958 feet above NAVD88
The depth of the well is 335 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1949-01-03			D 62610		2831.41	NGVD29	1	Z			A
1949-01-03			D 62611		2832.97	NAVD88	1	Z			A
1949-01-03			D 72019	125.03			1	Z			A
1977-03-09			D 62610		2831.59	NGVD29	1	Z			A
1977-03-09			D 62611		2833.15	NAVD88	1	Z			A
1977-03-09			D 72019	124.85			1	Z			A
1978-01-17			D 62610		2832.82	NGVD29	1	Z			A
1978-01-17			D 62611		2834.38	NAVD88	1	Z			A
1978-01-17			D 72019	123.62			1	Z			A
1987-10-14			D 62610		2834.90	NGVD29	1	Z			A
1987-10-14			D 62611		2836.46	NAVD88	1	Z			A
1987-10-14			D 72019	121.54			1	Z			A
1992-11-03			D 62610		2835.58	NGVD29	1	S			A
1992-11-03			D 62611		2837.14	NAVD88	1	S			A
1992-11-03			D 72019	120.86			1	S			A

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

10/2/24, 11:18 AM

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	? Metho meast
Source of measurement		Not determined						
Water-level approval status			A	Approved for publication -- Processing and review completed.				

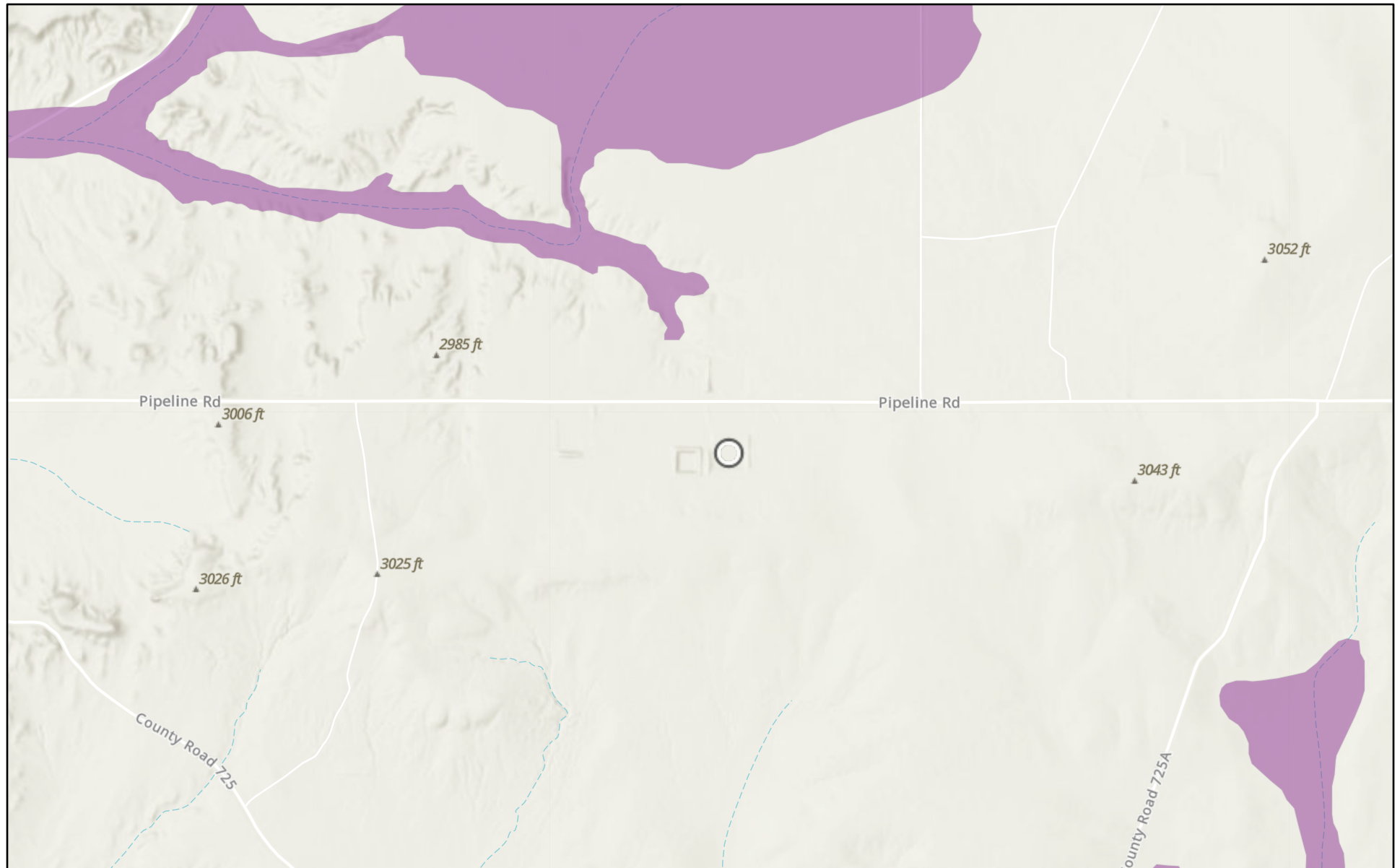
[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-10-02 12:17:53 EDT
0.4 0.29 nadww02

JR'S HORZ FEDERAL COM #003

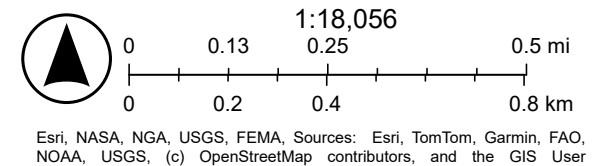


4/23/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World_Hillshade



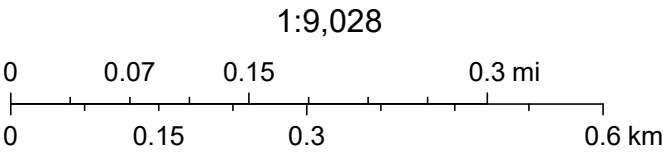
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

JR'S HORZ FEDERAL COM #003



4/23/2025, 2:37:38 PM

— OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

1

2

3

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6

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9

10

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12

13

14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/22/2025 11:48:43 AM

JOB DESCRIPTION

JR Horz Fed Com #3H
Eddy County, New Mexico

JOB NUMBER

880-60573-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/22/2025 11:48:43 AM

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

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Laboratory Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: JR Horz Fed Com #3H

Job ID: 880-60573-1

Job ID: 880-60573-1

Eurofins Midland

Job Narrative 880-60573-1

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

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

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

Receipt

The sample was received on 7/21/2025 10:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-114540 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:(CCV 880-114540/20) and (CCV 880-114540/33).

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

Diesel Range Organics

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: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-60573-1

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 17:00	07/21/25 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 17:00	07/21/25 19:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 17:00	07/21/25 19:01	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 17:00	07/21/25 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 17:00	07/21/25 19:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 17:00	07/21/25 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	07/21/25 17:00	07/21/25 19:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/21/25 17:00	07/21/25 19:01	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			07/21/25 19:01	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			07/21/25 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/21/25 12:27	07/21/25 23:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/21/25 12:27	07/21/25 23:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/21/25 12:27	07/21/25 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	07/21/25 12:27	07/21/25 23:18	1
o-Terphenyl (Surr)	73		70 - 130	07/21/25 12:27	07/21/25 23:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.0		10.1		mg/Kg			07/21/25 21:55	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60498-A-92-D MS	Matrix Spike	102	85
880-60498-A-92-E MSD	Matrix Spike Duplicate	105	100
880-60573-1	Backfill Sample	120	98
LCS 880-114544/1-A	Lab Control Sample	100	92
LCSD 880-114544/2-A	Lab Control Sample Dup	98	91
MB 880-114544/5-A	Method Blank	107	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-60573-1	Backfill Sample	85	73
880-60578-A-3-D MS	Matrix Spike	128	106
880-60578-A-3-E MSD	Matrix Spike Duplicate	108	105
LCS 880-114595/2-A	Lab Control Sample	114	123
LCSD 880-114595/3-A	Lab Control Sample Dup	113	122
MB 880-114595/1-A	Method Blank	99	92
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114544/5-A

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 09:47	07/21/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 09:47	07/21/25 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 09:47	07/21/25 11:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/21/25 09:47	07/21/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 09:47	07/21/25 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/25 09:47	07/21/25 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/21/25 09:47	07/21/25 11:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/21/25 09:47	07/21/25 11:41	1

Lab Sample ID: LCS 880-114544/1-A

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1158		mg/Kg		116	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2234		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-114544/2-A

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114544

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1133		mg/Kg		113	70 - 130	2	35
Toluene	0.100	0.1020		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130	5	35
m,p-Xylenes	0.200	0.2122		mg/Kg		106	70 - 130	5	35
o-Xylene	0.100	0.1071		mg/Kg		107	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-60498-A-92-D MS

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1000		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.100	0.09119		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-60498-A-92-D MS

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09518		mg/Kg		95	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1901		mg/Kg		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.09791		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-60498-A-92-E MSD

Matrix: Solid

Analysis Batch: 114540

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1142		mg/Kg		114	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.09998		mg/Kg		100	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130	8	35
m,p-Xylenes	<0.00399	U	0.200	0.2063		mg/Kg		103	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.1061		mg/Kg		106	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-114595/1-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	07/21/25 12:27	07/21/25 21:06	1
o-Terphenyl (Surr)	92		70 - 130	07/21/25 12:27	07/21/25 21:06	1

Lab Sample ID: LCS 880-114595/2-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1174		mg/Kg		117	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-114595/2-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114595

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-114595/3-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1163		mg/Kg		116	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 880-60578-A-3-D MS

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	879.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	913.5		mg/Kg		91	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	106		70 - 130

Lab Sample ID: 880-60578-A-3-E MSD

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	873.6		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	957.5		mg/Kg		96	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	105		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114606/1-A

Matrix: Solid

Analysis Batch: 114614

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			07/21/25 21:38	1

Lab Sample ID: LCS 880-114606/2-A

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.7		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-114606/3-A

Matrix: Solid

Analysis Batch: 114614

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	243.2		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-60573-1 MS

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Backfill Sample

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	83.0		253	319.5		mg/Kg		94	90 - 110

Lab Sample ID: 880-60573-1 MSD

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Backfill Sample

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	83.0		253	319.8		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 114540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	8021B	114544
MB 880-114544/5-A	Method Blank	Total/NA	Solid	8021B	114544
LCS 880-114544/1-A	Lab Control Sample	Total/NA	Solid	8021B	114544
LCSD 880-114544/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114544
880-60498-A-92-D MS	Matrix Spike	Total/NA	Solid	8021B	114544
880-60498-A-92-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114544

Prep Batch: 114544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-114544/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114544/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114544/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60498-A-92-D MS	Matrix Spike	Total/NA	Solid	5035	
880-60498-A-92-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 114694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 114577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	8015B NM	114595
MB 880-114595/1-A	Method Blank	Total/NA	Solid	8015B NM	114595
LCS 880-114595/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114595
LCSD 880-114595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114595
880-60578-A-3-D MS	Matrix Spike	Total/NA	Solid	8015B NM	114595
880-60578-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114595

Prep Batch: 114595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-114595/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114595/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60578-A-3-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60578-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-114606/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114606/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114606/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 114606 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1 MS	Backfill Sample	Soluble	Solid	DI Leach	
880-60573-1 MSD	Backfill Sample	Soluble	Solid	DI Leach	

Analysis Batch: 114614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60573-1	Backfill Sample	Soluble	Solid	300.0	114606
MB 880-114606/1-A	Method Blank	Soluble	Solid	300.0	114606
LCS 880-114606/2-A	Lab Control Sample	Soluble	Solid	300.0	114606
LCSD 880-114606/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114606
880-60573-1 MS	Backfill Sample	Soluble	Solid	300.0	114606
880-60573-1 MSD	Backfill Sample	Soluble	Solid	300.0	114606

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample
Date Collected: 07/15/25 00:00
Date Received: 07/21/25 10:50

Lab Sample ID: 880-60573-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114544	07/21/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114540	07/21/25 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114694	07/21/25 19:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			114714	07/21/25 23:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 23:18	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/21/25 21:55	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: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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

Method Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60573-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60573-1	Backfill Sample	Solid	07/15/25 00:00	07/21/25 10:50

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

Chain of Custody



380-60573 Chain of Custody

Page 1 of 1

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7/19/08 @ 10:50		7/19/08

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-60573-1
SDG Number: Eddy County, New Mexico

Login Number: 60573

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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11

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/23/2025 10:04:06 AM

JOB DESCRIPTION

JR Horz Fed Com #3H
Eddy County, New Mexico

JOB NUMBER

880-60575-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/23/2025 10:04:06 AM

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

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Laboratory Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	20
QC Sample Results	22
QC Association Summary	28
Lab Chronicle	33
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Checklists	44

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: JR Horz Fed Com #3H

Job ID: 880-60575-1

Job ID: 880-60575-1

Eurofins Midland

Job Narrative 880-60575-1

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

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

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

Receipt

The samples were received on 7/21/2025 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA

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

Diesel Range Organics

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: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-60575-1

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/21/25 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 23:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/21/25 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 23:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/21/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/21/25 12:13	07/21/25 23:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/21/25 12:13	07/21/25 23:12	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			07/21/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/22/25 02:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/22/25 02:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/22/25 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	07/21/25 12:27	07/22/25 02:33	1
o-Terphenyl (Surr)	77		70 - 130	07/21/25 12:27	07/22/25 02:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		10.1		mg/Kg			07/21/25 23:31	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-60575-2

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/21/25 23:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/21/25 23:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/21/25 23:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/21/25 23:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/21/25 23:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/21/25 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/21/25 12:13	07/21/25 23:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/21/25 12:13	07/21/25 23:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-60575-2

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			07/21/25 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/22/25 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/21/25 12:27	07/22/25 02:50	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/21/25 12:27	07/22/25 02:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/21/25 12:27	07/22/25 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				07/21/25 12:27	07/22/25 02:50	1
o-Terphenyl (Surr)	85		70 - 130				07/21/25 12:27	07/22/25 02:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		10.1		mg/Kg			07/21/25 23:37	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-60575-3

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/21/25 23:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/21/25 23:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/21/25 23:53	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/21/25 12:13	07/21/25 23:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/21/25 23:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/21/25 12:13	07/21/25 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/21/25 12:13	07/21/25 23:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/21/25 12:13	07/21/25 23:53	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			07/21/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 03:06	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		07/21/25 12:27	07/22/25 03:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/21/25 12:27	07/22/25 03:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-60575-3

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:27	07/22/25 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130				07/21/25 12:27	07/22/25 03:06	1
o-Terphenyl (Surr)	77		70 - 130				07/21/25 12:27	07/22/25 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		10.1		mg/Kg			07/21/25 23:54	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-60575-4

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 00:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 00:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 00:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 00:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 00:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/21/25 12:13	07/22/25 00:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/21/25 12:13	07/22/25 00:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/22/25 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/21/25 12:27	07/22/25 03:23	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/21/25 12:27	07/22/25 03:23	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/21/25 12:27	07/22/25 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				07/21/25 12:27	07/22/25 03:23	1
o-Terphenyl (Surr)	79		70 - 130				07/21/25 12:27	07/22/25 03:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		9.94		mg/Kg			07/21/25 23:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-60575-5

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 00:34	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 00:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/21/25 12:13	07/22/25 00:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/21/25 12:13	07/22/25 00:34	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			07/22/25 00:34	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			07/22/25 03:39	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		07/21/25 12:27	07/22/25 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/22/25 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/22/25 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	07/21/25 12:27	07/22/25 03:39	1
o-Terphenyl (Surr)	81		70 - 130	07/21/25 12:27	07/22/25 03:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		9.98		mg/Kg			07/22/25 00:05	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-60575-6

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 00:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:13	07/22/25 00:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:13	07/22/25 00:54	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/21/25 12:13	07/22/25 00:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:13	07/22/25 00:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/21/25 12:13	07/22/25 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/21/25 12:13	07/22/25 00:54	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/21/25 12:13	07/22/25 00:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-60575-6

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			07/22/25 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/22/25 03:55	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		07/21/25 12:27	07/22/25 03:55	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/21/25 12:27	07/22/25 03:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/21/25 12:27	07/22/25 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130				07/21/25 12:27	07/22/25 03:55	1
o-Terphenyl (Surr)	90		70 - 130				07/21/25 12:27	07/22/25 03:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		10.0		mg/Kg			07/22/25 00:11	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-60575-7

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/21/25 12:13	07/22/25 01:15	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/21/25 12:13	07/22/25 01:15	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			07/22/25 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/21/25 12:32	07/22/25 09:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/21/25 12:32	07/22/25 09:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-60575-7

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/21/25 12:32	07/22/25 09:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130				07/21/25 12:32	07/22/25 09:15	1
o-Terphenyl (Surr)	78		70 - 130				07/21/25 12:32	07/22/25 09:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		10.0		mg/Kg			07/22/25 00:16	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-60575-8

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 01:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 01:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 01:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/21/25 12:13	07/22/25 01:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/21/25 12:13	07/22/25 01:35	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			07/22/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/22/25 10:04	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		07/21/25 12:32	07/22/25 10:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 10:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 10:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130				07/21/25 12:32	07/22/25 10:04	1
o-Terphenyl (Surr)	78		70 - 130				07/21/25 12:32	07/22/25 10:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8		10.1		mg/Kg			07/22/25 00:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-60575-9

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 01:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 01:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 01:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 01:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 01:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/21/25 12:13	07/22/25 01:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/21/25 12:13	07/22/25 01:56	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			07/22/25 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/22/25 10:20	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		07/21/25 12:32	07/22/25 10:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 10:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	07/21/25 12:32	07/22/25 10:20	1
o-Terphenyl (Surr)	78		70 - 130	07/21/25 12:32	07/22/25 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.6		9.96		mg/Kg			07/22/25 00:28	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-60575-10

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 02:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/22/25 02:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/22/25 02:16	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/21/25 12:13	07/22/25 02:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:13	07/22/25 02:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/21/25 12:13	07/22/25 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/21/25 12:13	07/22/25 02:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/21/25 12:13	07/22/25 02:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-60575-10

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			07/22/25 02:16	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			07/22/25 10:37	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		07/21/25 12:32	07/22/25 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 10:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				07/21/25 12:32	07/22/25 10:37	1
o-Terphenyl (Surr)	82		70 - 130				07/21/25 12:32	07/22/25 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.0		9.98		mg/Kg			07/22/25 08:36	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-60575-11

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 03:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 03:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 03:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 03:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 03:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/21/25 12:13	07/22/25 03:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/21/25 12:13	07/22/25 03:50	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			07/22/25 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/22/25 10:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 10:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 10:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-60575-11

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 10:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130				07/21/25 12:32	07/22/25 10:53	1
o-Terphenyl (Surr)	81		70 - 130				07/21/25 12:32	07/22/25 10:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.9		9.96		mg/Kg			07/22/25 08:59	1

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-60575-12

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 04:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 04:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/21/25 12:13	07/22/25 04:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/21/25 12:13	07/22/25 04:11	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			07/22/25 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/22/25 11:10	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		07/21/25 12:32	07/22/25 11:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 11:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 11:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130				07/21/25 12:32	07/22/25 11:10	1
o-Terphenyl (Surr)	78		70 - 130				07/21/25 12:32	07/22/25 11:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.9		9.90		mg/Kg			07/22/25 09:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-60575-13

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 04:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 04:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 04:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/21/25 12:13	07/22/25 04:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/21/25 12:13	07/22/25 04:31	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			07/22/25 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 11:27	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		07/21/25 12:32	07/22/25 11:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/21/25 12:32	07/22/25 11:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/21/25 12:32	07/22/25 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	07/21/25 12:32	07/22/25 11:27	1
o-Terphenyl (Surr)	82		70 - 130	07/21/25 12:32	07/22/25 11:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.7		9.92		mg/Kg			07/22/25 09:14	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-60575-14

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 04:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 04:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 04:51	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 04:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:13	07/22/25 04:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:13	07/22/25 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/21/25 12:13	07/22/25 04:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/21/25 12:13	07/22/25 04:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-60575-14

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			07/22/25 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/22/25 11:44	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	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 11:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 11:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/21/25 12:32	07/22/25 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				07/21/25 12:32	07/22/25 11:44	1
o-Terphenyl (Surr)	85		70 - 130				07/21/25 12:32	07/22/25 11:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		10.0		mg/Kg			07/22/25 09:22	1

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-60575-15

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 05:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 05:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 05:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 05:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 05:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/21/25 12:13	07/22/25 05:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/21/25 12:13	07/22/25 05:12	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			07/22/25 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 12:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 12:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-60575-15

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:32	07/22/25 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				07/21/25 12:32	07/22/25 12:00	1
o-Terphenyl (Surr)	82		70 - 130				07/21/25 12:32	07/22/25 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.6		9.94		mg/Kg			07/22/25 09:45	1

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-60575-16

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/21/25 12:13	07/22/25 05:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/21/25 12:13	07/22/25 05:32	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			07/22/25 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/22/25 12:17	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		07/21/25 12:32	07/22/25 12:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 12:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/21/25 12:32	07/22/25 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				07/21/25 12:32	07/22/25 12:17	1
o-Terphenyl (Surr)	90		70 - 130				07/21/25 12:32	07/22/25 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		9.96		mg/Kg			07/22/25 09:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (3')

Lab Sample ID: 880-60575-17

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 05:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:53	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 05:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:13	07/22/25 05:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:13	07/22/25 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/21/25 12:13	07/22/25 05:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/21/25 12:13	07/22/25 05:53	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			07/22/25 05:53	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			07/22/25 12:34	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		07/21/25 12:32	07/22/25 12:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 12:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	07/21/25 12:32	07/22/25 12:34	1
o-Terphenyl (Surr)	87		70 - 130	07/21/25 12:32	07/22/25 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		10.0		mg/Kg			07/22/25 10:00	1

Client Sample ID: SW-11 (3')

Lab Sample ID: 880-60575-18

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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		07/21/25 12:13	07/22/25 06:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 06:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 06:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 06:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/22/25 06:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:13	07/22/25 06:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/21/25 12:13	07/22/25 06:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/21/25 12:13	07/22/25 06:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (3')

Lab Sample ID: 880-60575-18

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			07/22/25 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 12:51	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		07/21/25 12:32	07/22/25 12:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/21/25 12:32	07/22/25 12:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/21/25 12:32	07/22/25 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130	07/21/25 12:32	07/22/25 12:51	1
o-Terphenyl (Surr)	80		70 - 130	07/21/25 12:32	07/22/25 12:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261		10.0		mg/Kg			07/22/25 10:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60575-1	CS-1 (1.5')	111	102
880-60575-1 MS	CS-1 (1.5')	105	105
880-60575-1 MSD	CS-1 (1.5')	105	104
880-60575-2	CS-2 (1.5')	105	97
880-60575-3	CS-3 (1.5')	105	101
880-60575-4	CS-4 (1.5')	106	96
880-60575-5	CS-5 (3')	104	101
880-60575-6	CS-6 (3')	106	100
880-60575-7	CS-7 (3')	104	99
880-60575-8	SW-1 (1.5')	104	97
880-60575-9	SW-2 (1.5')	101	98
880-60575-10	SW-3 (1.5')	102	99
880-60575-11	SW-4 (1.5')	110	101
880-60575-12	SW-5 (1.5')	105	98
880-60575-13	SW-6 (1.5')	108	98
880-60575-14	SW-7 (1.5')	106	99
880-60575-15	SW-8 (1.5')	108	96
880-60575-16	SW-9 (3')	103	101
880-60575-17	SW-10 (3')	107	98
880-60575-18	SW-11 (3')	101	97
LCS 880-114591/1-A	Lab Control Sample	100	105
LCSD 880-114591/2-A	Lab Control Sample Dup	105	104
MB 880-114405/5-A	Method Blank	94	94
MB 880-114591/5-A	Method Blank	98	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-60575-1	CS-1 (1.5')	85	77
880-60575-2	CS-2 (1.5')	93	85
880-60575-3	CS-3 (1.5')	86	77
880-60575-4	CS-4 (1.5')	87	79
880-60575-5	CS-5 (3')	87	81
880-60575-6	CS-6 (3')	96	90
880-60575-7	CS-7 (3')	80	78
880-60575-7 MS	CS-7 (3')	73	79
880-60575-7 MSD	CS-7 (3')	93	79
880-60575-8	SW-1 (1.5')	83	78
880-60575-9	SW-2 (1.5')	84	78
880-60575-10	SW-3 (1.5')	87	82
880-60575-11	SW-4 (1.5')	84	81
880-60575-12	SW-5 (1.5')	83	78
880-60575-13	SW-6 (1.5')	88	82

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-60575-1

Project/Site: JR Horz Fed Com #3H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-60575-14	SW-7 (1.5')	92	85				
880-60575-15	SW-8 (1.5')	87	82				
880-60575-16	SW-9 (3')	97	90				
880-60575-17	SW-10 (3')	94	87				
880-60575-18	SW-11 (3')	86	80				
880-60578-A-3-D MS	Matrix Spike	128	106				
880-60578-A-3-E MSD	Matrix Spike Duplicate	108	105				
LCS 880-114595/2-A	Lab Control Sample	114	123				
LCS 880-114597/2-A	Lab Control Sample	111	100				
LCSD 880-114595/3-A	Lab Control Sample Dup	113	122				
LCSD 880-114597/3-A	Lab Control Sample Dup	93	100				
MB 880-114595/1-A	Method Blank	99	92				
MB 880-114597/1-A	Method Blank	112	110				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114405/5-A

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114405

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/17/25 15:34	07/21/25 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/17/25 15:34	07/21/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/17/25 15:34	07/21/25 11:52	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/17/25 15:34	07/21/25 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/17/25 15:34	07/21/25 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/17/25 15:34	07/21/25 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/17/25 15:34	07/21/25 11:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/17/25 15:34	07/21/25 11:52	1

Lab Sample ID: MB 880-114591/5-A

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 22:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/21/25 12:13	07/21/25 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:13	07/21/25 22:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/25 12:13	07/21/25 22:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/21/25 12:13	07/21/25 22:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/21/25 12:13	07/21/25 22:51	1

Lab Sample ID: LCS 880-114591/1-A

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09834		mg/Kg		98	70 - 130
Toluene	0.100	0.08415		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08814		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1702		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08705		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-114591/2-A

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114591

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-114591/2-A

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114591

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.08800		mg/Kg		88	70 - 130		4	35
Ethylbenzene	0.100	0.09286		mg/Kg		93	70 - 130		5	35
m,p-Xylenes	0.200	0.1809		mg/Kg		90	70 - 130		6	35
o-Xylene	0.100	0.09212		mg/Kg		92	70 - 130		6	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-60575-1 MS

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 114591

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00200	U	0.100	0.09931		mg/Kg		99	70 - 130	
Toluene	<0.00200	U	0.100	0.08542		mg/Kg		85	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.09074		mg/Kg		91	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1751		mg/Kg		88	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08989		mg/Kg		90	70 - 130	

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

Lab Sample ID: 880-60575-1 MSD

Matrix: Solid

Analysis Batch: 114541

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 114591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00200	U	0.100	0.09683		mg/Kg		97	70 - 130		3	35
Toluene	<0.00200	U	0.100	0.08295		mg/Kg		83	70 - 130		3	35
Ethylbenzene	<0.00200	U	0.100	0.08810		mg/Kg		88	70 - 130		3	35
m,p-Xylenes	<0.00399	U	0.200	0.1696		mg/Kg		85	70 - 130		3	35
o-Xylene	<0.00200	U	0.100	0.08713		mg/Kg		87	70 - 130		3	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-114595/1-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114595

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-114595/1-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:27	07/21/25 21:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				07/21/25 12:27	07/21/25 21:06	1
o-Terphenyl (Surr)	92		70 - 130				07/21/25 12:27	07/21/25 21:06	1

Lab Sample ID: LCS 880-114595/2-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1174		mg/Kg		117	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	114		70 - 130				
o-Terphenyl (Surr)	123		70 - 130				

Lab Sample ID: LCSD 880-114595/3-A

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1163		mg/Kg		116	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	113		70 - 130						
o-Terphenyl (Surr)	122		70 - 130						

Lab Sample ID: 880-60578-A-3-D MS

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	879.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	913.5		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	128		70 - 130						
o-Terphenyl (Surr)	106		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-60578-A-3-E MSD

Matrix: Solid

Analysis Batch: 114577

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	873.6		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	957.5		mg/Kg		96	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	108		70 - 130								
o-Terphenyl (Surr)	105		70 - 130								

Lab Sample ID: MB 880-114597/1-A

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 05:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 05:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/25 12:32	07/22/25 05:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				07/21/25 12:32	07/22/25 05:00	1
o-Terphenyl (Surr)	110		70 - 130				07/21/25 12:32	07/22/25 05:00	1

Lab Sample ID: LCS 880-114597/2-A

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	986.5		mg/Kg		99	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	111		70 - 130						
o-Terphenyl (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-114597/3-A

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1020		mg/Kg		102	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1030		mg/Kg		103	70 - 130	4	20

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-114597/3-A

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114597

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: 880-60575-7 MS

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: CS-7 (3')

Prep Type: Total/NA

Prep Batch: 114597

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	899.9		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	998	924.0		mg/Kg		91	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	73		70 - 130							
o-Terphenyl (Surr)	79		70 - 130							

Lab Sample ID: 880-60575-7 MSD

Matrix: Solid

Analysis Batch: 114668

Client Sample ID: CS-7 (3')

Prep Type: Total/NA

Prep Batch: 114597

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	902.4		mg/Kg		90	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.8	U	998	872.3		mg/Kg		85	70 - 130	6	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	93		70 - 130									
o-Terphenyl (Surr)	79		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114606/1-A

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			07/21/25 21:38	1	

Lab Sample ID: LCS 880-114606/2-A

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	240.7		mg/Kg		96	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-114606/3-A

Matrix: Solid

Analysis Batch: 114614

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	243.2		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-60574-A-10-D MS

Matrix: Solid

Analysis Batch: 114614

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.3		251	337.0		mg/Kg		110	90 - 110		

Lab Sample ID: 880-60574-A-10-E MSD

Matrix: Solid

Analysis Batch: 114614

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	62.3		251	338.4		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-114607/1-A

Matrix: Solid

Analysis Batch: 114616

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			07/22/25 08:13	1

Lab Sample ID: LCS 880-114607/2-A

Matrix: Solid

Analysis Batch: 114616

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	228.8		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-114607/3-A

Matrix: Solid

Analysis Batch: 114616

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	226.5		mg/Kg		91	90 - 110	1	20

Lab Sample ID: 880-60575-10 MS

Matrix: Solid

Analysis Batch: 114616

Client Sample ID: SW-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	91.0		250	342.3		mg/Kg		101	90 - 110		

Lab Sample ID: 880-60575-10 MSD

Matrix: Solid

Analysis Batch: 114616

Client Sample ID: SW-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	91.0		250	339.3		mg/Kg		100	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 114405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114405/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	8021B	114591
880-60575-2	CS-2 (1.5')	Total/NA	Solid	8021B	114591
880-60575-3	CS-3 (1.5')	Total/NA	Solid	8021B	114591
880-60575-4	CS-4 (1.5')	Total/NA	Solid	8021B	114591
880-60575-5	CS-5 (3')	Total/NA	Solid	8021B	114591
880-60575-6	CS-6 (3')	Total/NA	Solid	8021B	114591
880-60575-7	CS-7 (3')	Total/NA	Solid	8021B	114591
880-60575-8	SW-1 (1.5')	Total/NA	Solid	8021B	114591
880-60575-9	SW-2 (1.5')	Total/NA	Solid	8021B	114591
880-60575-10	SW-3 (1.5')	Total/NA	Solid	8021B	114591
880-60575-11	SW-4 (1.5')	Total/NA	Solid	8021B	114591
880-60575-12	SW-5 (1.5')	Total/NA	Solid	8021B	114591
880-60575-13	SW-6 (1.5')	Total/NA	Solid	8021B	114591
880-60575-14	SW-7 (1.5')	Total/NA	Solid	8021B	114591
880-60575-15	SW-8 (1.5')	Total/NA	Solid	8021B	114591
880-60575-16	SW-9 (3')	Total/NA	Solid	8021B	114591
880-60575-17	SW-10 (3')	Total/NA	Solid	8021B	114591
880-60575-18	SW-11 (3')	Total/NA	Solid	8021B	114591
MB 880-114405/5-A	Method Blank	Total/NA	Solid	8021B	114405
MB 880-114591/5-A	Method Blank	Total/NA	Solid	8021B	114591
LCS 880-114591/1-A	Lab Control Sample	Total/NA	Solid	8021B	114591
LCSD 880-114591/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114591
880-60575-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	114591
880-60575-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	114591

Prep Batch: 114591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-60575-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-60575-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-60575-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-60575-5	CS-5 (3')	Total/NA	Solid	5035	
880-60575-6	CS-6 (3')	Total/NA	Solid	5035	
880-60575-7	CS-7 (3')	Total/NA	Solid	5035	
880-60575-8	SW-1 (1.5')	Total/NA	Solid	5035	
880-60575-9	SW-2 (1.5')	Total/NA	Solid	5035	
880-60575-10	SW-3 (1.5')	Total/NA	Solid	5035	
880-60575-11	SW-4 (1.5')	Total/NA	Solid	5035	
880-60575-12	SW-5 (1.5')	Total/NA	Solid	5035	
880-60575-13	SW-6 (1.5')	Total/NA	Solid	5035	
880-60575-14	SW-7 (1.5')	Total/NA	Solid	5035	
880-60575-15	SW-8 (1.5')	Total/NA	Solid	5035	
880-60575-16	SW-9 (3')	Total/NA	Solid	5035	
880-60575-17	SW-10 (3')	Total/NA	Solid	5035	
880-60575-18	SW-11 (3')	Total/NA	Solid	5035	
MB 880-114591/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114591/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 114591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114591/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60575-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-60575-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 114698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-5	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-60575-6	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-60575-7	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-60575-8	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-9	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-10	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-11	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-12	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-13	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-14	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-15	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-60575-16	SW-9 (3')	Total/NA	Solid	Total BTEX	
880-60575-17	SW-10 (3')	Total/NA	Solid	Total BTEX	
880-60575-18	SW-11 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 114577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	114595
880-60575-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	114595
880-60575-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	114595
880-60575-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	114595
880-60575-5	CS-5 (3')	Total/NA	Solid	8015B NM	114595
880-60575-6	CS-6 (3')	Total/NA	Solid	8015B NM	114595
MB 880-114595/1-A	Method Blank	Total/NA	Solid	8015B NM	114595
LCS 880-114595/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114595
LCSD 880-114595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114595
880-60578-A-3-D MS	Matrix Spike	Total/NA	Solid	8015B NM	114595
880-60578-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114595

Prep Batch: 114595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-5	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-60575-6	CS-6 (3')	Total/NA	Solid	8015NM Prep	
MB 880-114595/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114595/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 114595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60578-A-3-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60578-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 114597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-7	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-60575-8	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-9	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-10	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-11	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-12	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-13	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-14	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-15	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-60575-16	SW-9 (3')	Total/NA	Solid	8015NM Prep	
880-60575-17	SW-10 (3')	Total/NA	Solid	8015NM Prep	
880-60575-18	SW-11 (3')	Total/NA	Solid	8015NM Prep	
MB 880-114597/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114597/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60575-7 MS	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-60575-7 MSD	CS-7 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-7	CS-7 (3')	Total/NA	Solid	8015B NM	114597
880-60575-8	SW-1 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-9	SW-2 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-10	SW-3 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-11	SW-4 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-12	SW-5 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-13	SW-6 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-14	SW-7 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-15	SW-8 (1.5')	Total/NA	Solid	8015B NM	114597
880-60575-16	SW-9 (3')	Total/NA	Solid	8015B NM	114597
880-60575-17	SW-10 (3')	Total/NA	Solid	8015B NM	114597
880-60575-18	SW-11 (3')	Total/NA	Solid	8015B NM	114597
MB 880-114597/1-A	Method Blank	Total/NA	Solid	8015B NM	114597
LCS 880-114597/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114597
LCSD 880-114597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114597
880-60575-7 MS	CS-7 (3')	Total/NA	Solid	8015B NM	114597
880-60575-7 MSD	CS-7 (3')	Total/NA	Solid	8015B NM	114597

Analysis Batch: 114716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-60575-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-60575-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-60575-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-60575-5	CS-5 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 114716 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-6	CS-6 (3')	Total/NA	Solid	8015 NM	
880-60575-7	CS-7 (3')	Total/NA	Solid	8015 NM	
880-60575-8	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-60575-9	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-60575-10	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-60575-11	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-60575-12	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-60575-13	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-60575-14	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-60575-15	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-60575-16	SW-9 (3')	Total/NA	Solid	8015 NM	
880-60575-17	SW-10 (3')	Total/NA	Solid	8015 NM	
880-60575-18	SW-11 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-60575-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-60575-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-60575-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-60575-5	CS-5 (3')	Soluble	Solid	DI Leach	
880-60575-6	CS-6 (3')	Soluble	Solid	DI Leach	
880-60575-7	CS-7 (3')	Soluble	Solid	DI Leach	
880-60575-8	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-60575-9	SW-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-114606/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114606/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114606/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60574-A-10-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60574-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 114607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-10	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-60575-11	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-60575-12	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-60575-13	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-60575-14	SW-7 (1.5')	Soluble	Solid	DI Leach	
880-60575-15	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-60575-16	SW-9 (3')	Soluble	Solid	DI Leach	
880-60575-17	SW-10 (3')	Soluble	Solid	DI Leach	
880-60575-18	SW-11 (3')	Soluble	Solid	DI Leach	
MB 880-114607/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114607/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114607/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60575-10 MS	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-60575-10 MSD	SW-3 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 114614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-1	CS-1 (1.5')	Soluble	Solid	300.0	114606
880-60575-2	CS-2 (1.5')	Soluble	Solid	300.0	114606
880-60575-3	CS-3 (1.5')	Soluble	Solid	300.0	114606
880-60575-4	CS-4 (1.5')	Soluble	Solid	300.0	114606
880-60575-5	CS-5 (3')	Soluble	Solid	300.0	114606
880-60575-6	CS-6 (3')	Soluble	Solid	300.0	114606
880-60575-7	CS-7 (3')	Soluble	Solid	300.0	114606
880-60575-8	SW-1 (1.5')	Soluble	Solid	300.0	114606
880-60575-9	SW-2 (1.5')	Soluble	Solid	300.0	114606
MB 880-114606/1-A	Method Blank	Soluble	Solid	300.0	114606
LCS 880-114606/2-A	Lab Control Sample	Soluble	Solid	300.0	114606
LCSD 880-114606/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114606
880-60574-A-10-D MS	Matrix Spike	Soluble	Solid	300.0	114606
880-60574-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114606

Analysis Batch: 114616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60575-10	SW-3 (1.5')	Soluble	Solid	300.0	114607
880-60575-11	SW-4 (1.5')	Soluble	Solid	300.0	114607
880-60575-12	SW-5 (1.5')	Soluble	Solid	300.0	114607
880-60575-13	SW-6 (1.5')	Soluble	Solid	300.0	114607
880-60575-14	SW-7 (1.5')	Soluble	Solid	300.0	114607
880-60575-15	SW-8 (1.5')	Soluble	Solid	300.0	114607
880-60575-16	SW-9 (3')	Soluble	Solid	300.0	114607
880-60575-17	SW-10 (3')	Soluble	Solid	300.0	114607
880-60575-18	SW-11 (3')	Soluble	Solid	300.0	114607
MB 880-114607/1-A	Method Blank	Soluble	Solid	300.0	114607
LCS 880-114607/2-A	Lab Control Sample	Soluble	Solid	300.0	114607
LCSD 880-114607/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114607
880-60575-10 MS	SW-3 (1.5')	Soluble	Solid	300.0	114607
880-60575-10 MSD	SW-3 (1.5')	Soluble	Solid	300.0	114607

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-60575-1

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/21/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/21/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 02:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 02:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/21/25 23:31	CS	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-60575-2

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/21/25 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/21/25 23:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 02:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 02:50	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/21/25 23:37	CS	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-60575-3

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/21/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/21/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 03:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 03:06	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/21/25 23:54	CS	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-60575-4

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 00:14	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-60575-4

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			114716	07/22/25 03:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 03:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/21/25 23:59	CS	EET MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-60575-5

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 03:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 03:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/22/25 00:05	CS	EET MID

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-60575-6

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 00:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 03:55	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114595	07/21/25 12:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/22/25 03:55	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/22/25 00:11	CS	EET MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-60575-7

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 09:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 09:15	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-60575-7

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/22/25 00:16	CS	EET MID

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-60575-8

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 10:04	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 10:04	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/22/25 00:22	CS	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-60575-9

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 01:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 10:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 10:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114606	07/21/25 14:01	SA	EET MID
Soluble	Analysis	300.0		1			114614	07/22/25 00:28	CS	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-60575-10

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 02:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 10:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 10:37	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 08:36	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-60575-11

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 03:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 10:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 10:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 08:59	SMC	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-60575-12

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 04:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 11:10	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 11:10	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 09:07	SMC	EET MID

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-60575-13

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 04:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 11:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 11:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 09:14	SMC	EET MID

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-60575-14

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 04:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 04:51	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-60575-14

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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			114716	07/22/25 11:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 11:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 09:22	SMC	EET MID

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-60575-15

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 05:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 05:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 12:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 12:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 09:45	SMC	EET MID

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-60575-16

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 05:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 12:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 12:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 09:53	SMC	EET MID

Client Sample ID: SW-10 (3')

Lab Sample ID: 880-60575-17

Date Collected: 07/15/25 00:00

Matrix: Solid

Date Received: 07/21/25 10:50

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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 05:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 12:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 12:34	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (3')
Date Collected: 07/15/25 00:00
Date Received: 07/21/25 10:50

Lab Sample ID: 880-60575-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 10:00	SMC	EET MID

Client Sample ID: SW-11 (3')
Date Collected: 07/15/25 00:00
Date Received: 07/21/25 10:50

Lab Sample ID: 880-60575-18
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	114591	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114541	07/22/25 06:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114698	07/22/25 06:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			114716	07/22/25 12:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114597	07/21/25 12:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114668	07/22/25 12:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114607	07/21/25 14:03	SA	EET MID
Soluble	Analysis	300.0		1			114616	07/22/25 10:08	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: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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

Method Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: JR Horz Fed Com #3H

Job ID: 880-60575-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60575-1	CS-1 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-2	CS-2 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-3	CS-3 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-4	CS-4 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-5	CS-5 (3')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-6	CS-6 (3')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-7	CS-7 (3')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-8	SW-1 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-9	SW-2 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-10	SW-3 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-11	SW-4 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-12	SW-5 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-13	SW-6 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-14	SW-7 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-15	SW-8 (1.5')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-16	SW-9 (3')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-17	SW-10 (3')	Solid	07/15/25 00:00	07/21/25 10:50
880-60575-18	SW-11 (3')	Solid	07/15/25 00:00	07/21/25 10:50



380-60575 Chain of Custody

Chain of Custody

Page 1 of 2

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other: _____

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Lincoln</i>	7/21/25 10:50	<i>[Signature]</i>	7/21/25 10:50

Chain of Custody

Work Order No: _____

Page 2 of 2

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

Project Name: JR Horz Fed Com #3H		Turn Around		Pres. Code	
Project Number: 2713		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date: 72 HR			
Project Location: Eddy County, New Mexico					
Sampler's Name: JR					
PO #:					

Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Intact:		Yes No		Thermometer ID:			
Cooler Custody Seals:		Yes No N/A		Correction Factor:			
Sample Custody Seals:		Yes No N/A		Temperature Reading:			
Total Containers:				Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes
SW-4 (1.5')	7/15/2025		X		Comp	1	BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0										None: NO	DI Water: H ₂ O	
SW-5 (1.5')	7/15/2025		X		Comp	1											Cool: Cool	MeOH: Me	
SW-6 (1.5')	7/15/2025		X		Comp	1											HCL: HC	HNO ₃ : HN	
SW-7 (1.5')	7/15/2025		X		Comp	1											H ₂ SO ₄ : H ₂	NaOH: Na	
SW-8 (1.5')	7/15/2025		X		Comp	1											H ₃ PO ₄ : HP		
SW-9 (3')	7/15/2025		X		Comp	1											NaHSO ₄ : NABIS		
SW-10 (3')	7/15/2025		X		Comp	1											Na ₂ S ₂ O ₃ : NaSO ₃		
SW-11 (3')	7/15/2025		X		Comp	1											Zn Acetate+NaOH: Zn		
																	NaOH+Ascorbic Acid: SAPC		

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Mike Carmona		7/15/25 @ 10:50		[Signature]		7/15/25 10:50	

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-60575-1
SDG Number: Eddy County, New Mexico

Login Number: 60575

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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 502217

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510447070
Incident Name	NAPP2510447070 JR HORZ 3H @ 30-015-37145
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-37145] NERVOUS HORZ COM #003H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jr Horz 3H
Date Release Discovered	04/10/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Fire Other (Specify) Produced Water Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/03/2025
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QUESTIONS, Page 3

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	144
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2410
GRO+DRO (EPA SW-846 Method 8015M)	2491
BTEX (EPA SW-846 Method 8021B or 8260B)	0.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/15/2025
On what date will (or did) the final sampling or liner inspection occur	07/15/2025
On what date will (or was) the remediation complete(d)	07/15/2025
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	835
What is the estimated volume (in cubic yards) that will be remediated	64
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	502217
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAPP2123262143 Red Bluff Gathering System
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/03/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	484128
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/15/2025
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	832

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	835
What was the total volume (cubic yards) remediated	64
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/03/2025

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QUESTIONS, Page 7

Action 502217

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 502217

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 502217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	10/7/2025