

CARMONA RESOURCES



SITE INFORMATION

Deferral Report
Yukon Gold 31 CTB 2
Incident ID: NAPP2504240482
Unit H Sec 31 T23S R30E
Eddy County, New Mexico
32.26299°, -103.91305°

Produced Water Release
Point of Release: Pinhole developed on a 3" ball valve on water dump line
Release Date: 02.09.2025
Volume Released: 5.706 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Devon Energy
5315 Buena Vista Drive,
Carlsbad, New Mexico 88220

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

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 REMEDIATION ACTIVITIES

5.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	AREA OF CONCERN	FIGURE 4	EXCAVATION
FIGURE 5	DEFERRAL		

APPENDICES

APPENDIX A	TABLE
APPENDIX B	PHOTOS
APPENDIX C	INITIAL C-141 & NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION, GROUNDWATER, & KARST SURVEY
APPENDIX E	LABORATORY REPORTS
APPENDIX F	NAPP2427461130 - DEFERRAL REPORT



May 13, 2025

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

**Re: Deferral Report
Yukon Gold 31 CTB 2
Devon Energy
Incident ID: NAPP2504240482
Site Location: Unit H, S31, T23S, R30E
(Lat 32.26299°, Long -103.91305°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Devon Energy (Devon), Carmona Resources, LLC has prepared this letter to document site activities for the Yukon Gold 31 CTB 2. The site is located at 32.26299°, -103.91305° within Unit H, S31, T23S, R30E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 9, 2025, due to a pinhole leak on a 3 inch ball valve on a water dump line. It resulted in the release of approximately five point seven-zero-six (5.706) barrels of produced water, with zero (0) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is 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. On April 1, 2025, Carmona Resources installed a groundwater determination bore located approximately 0.04 miles Southwest of the release area in S31, T23S, R30E. The bore indicated no signs of water at a depth of 55 feet below ground surface (ft bgs) when it was gauged on April 7, 2025. A copy of the groundwater determination bore log is attached in Appendix D.

Additionally, a karst survey was completed on January 27, 2025, per NMOCD & BLM request. The Karst Survey resulted in “no surface karst features within the 200-foot (61-meter)[1] survey area surrounding the spill delineation boundary”. Remediation proceeded per the standards set in Table 1 NMAC 19.15.29.12 Groundwater >55 feet due to the site being determined to be in a “Low Karst” environment. See Appendix D for Site Characterization, Groundwater information, Karst Survey.

310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992



3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Remediation Activities

Beginning on April 22, 2025, Carmona Resources personnel were onsite to supervise 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 April 16, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The entire area of concern was excavated to a depth of 1.0' bgs. A total of three (3) confirmation floor samples were collected (CS-1 through CS-3), and twelve (12) sidewall samples (SW-1 through SW-12) 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 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4.

Deferment Area

A 6"-8" buffer zone on each side of Devon's equipment, and underneath the equipment on site will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that buffer zone could potentially cause structural instability and might result in additional releases in the future as backfill material can shift and settle over time. The deferred areas are defined by the following composite confirmation sidewall samples: SW-1 through SW-3, SW-6, and SW-7. Additional sample points collected from a separate spill remediation project (conducted at the same time as this one) can be used to define the western extent of this spill area. CS-1 through CS-4 along with SW-1 & SW-4 from NMOCD Incident ID: NAPP2427461130 can be used to horizontally define this release area. Please see Table 2 and Figure 4A & 4B in appendix F. Approximately 1,098 square feet, 41 cubic yards, of contamination was left in place under the site equipment. Refer to Table 1 and Figure 5.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 316 square feet of contamination was remediated, resulting in 12 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on May 12, 2025. The backfill material was sourced from Northern Delaware Basin Landfill and was collected for laboratory analysis on April 25, 2025, before being utilized. Laboratory data can be found in Table 1.

CARMONA RESOURCES



5.0 Conclusions

Based on the area, safety, and active facility equipment, Devon requests to defer the chloride impact within the facility equipment. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

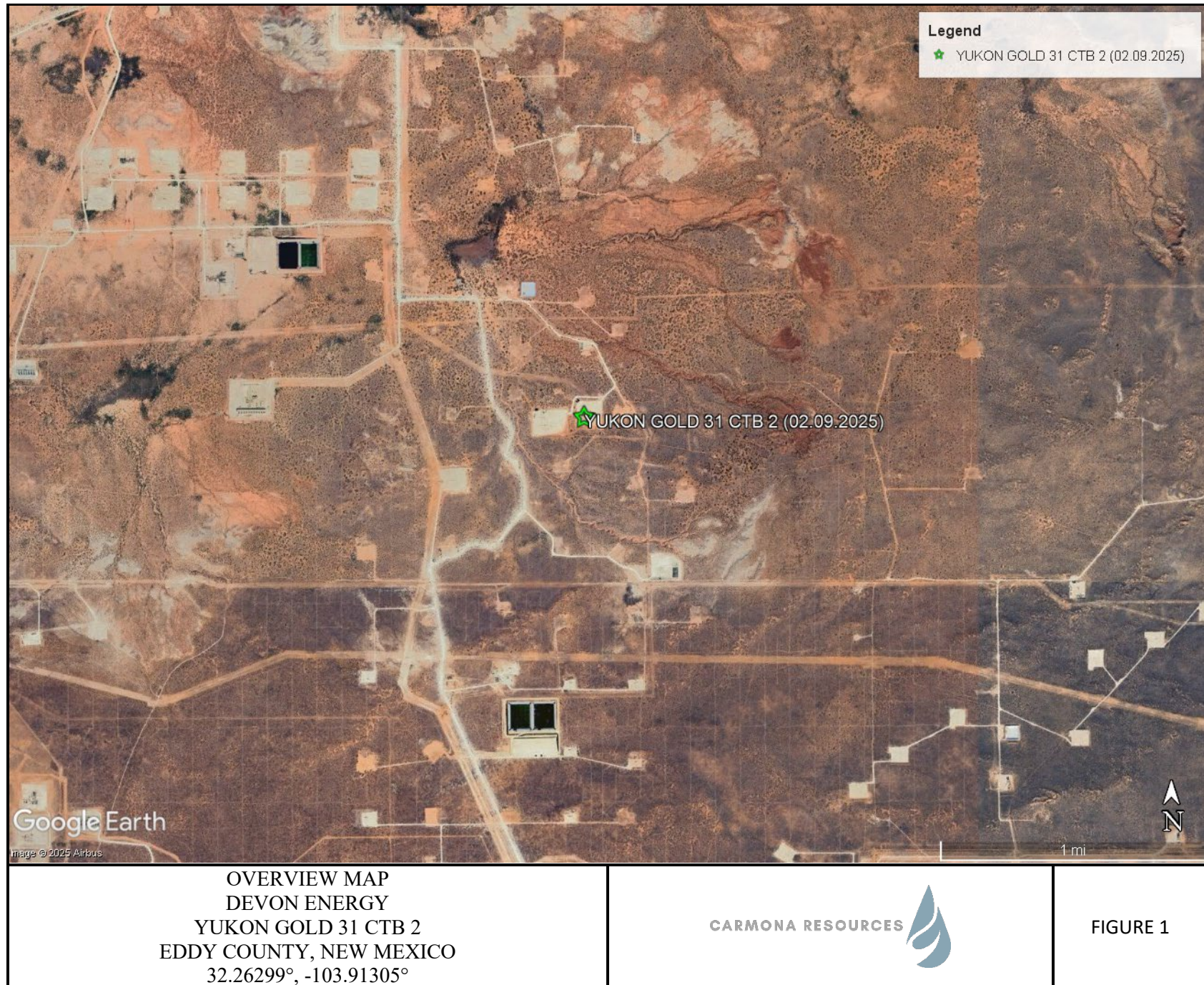
Gilbert Priego
Project Manager

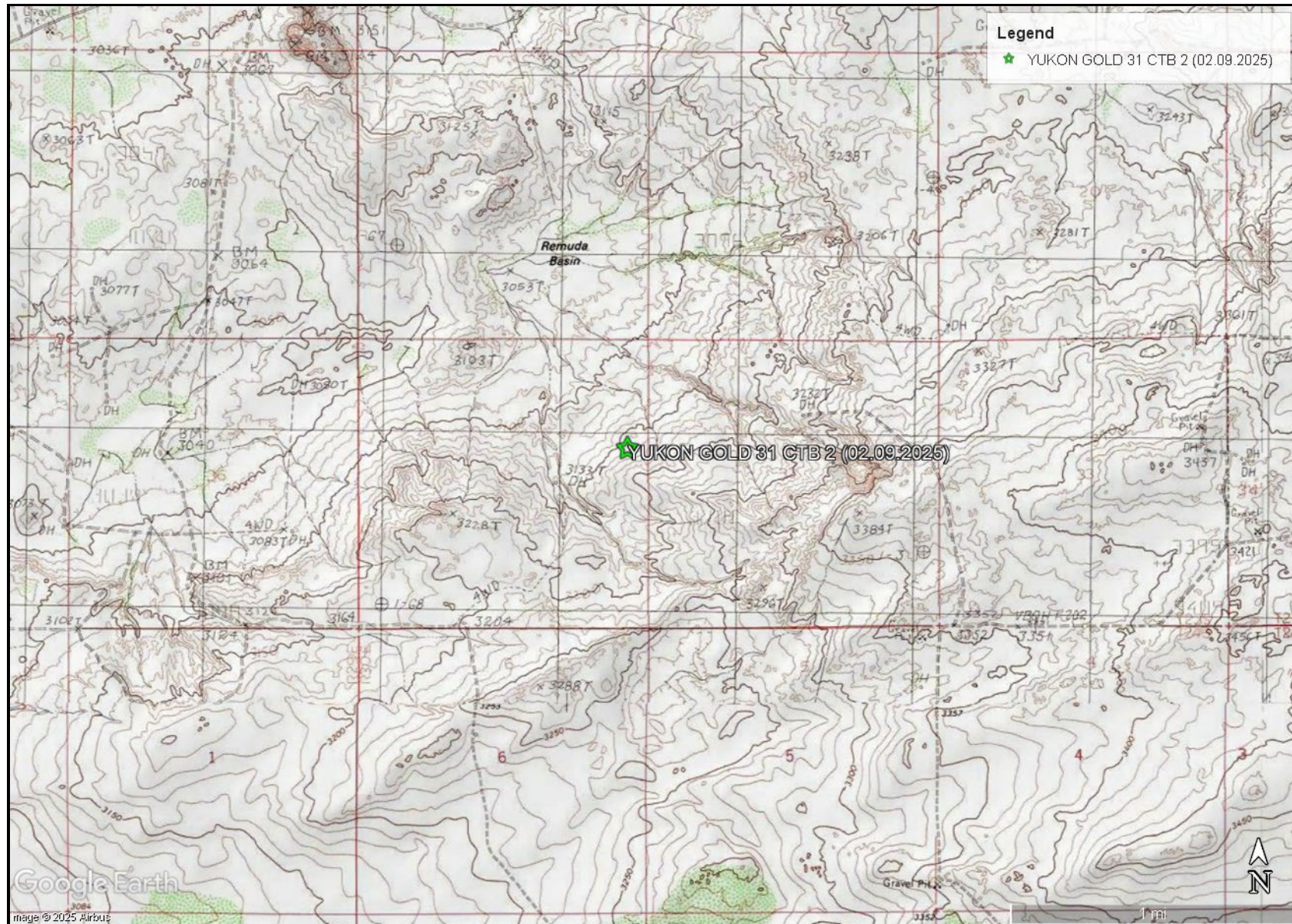
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES





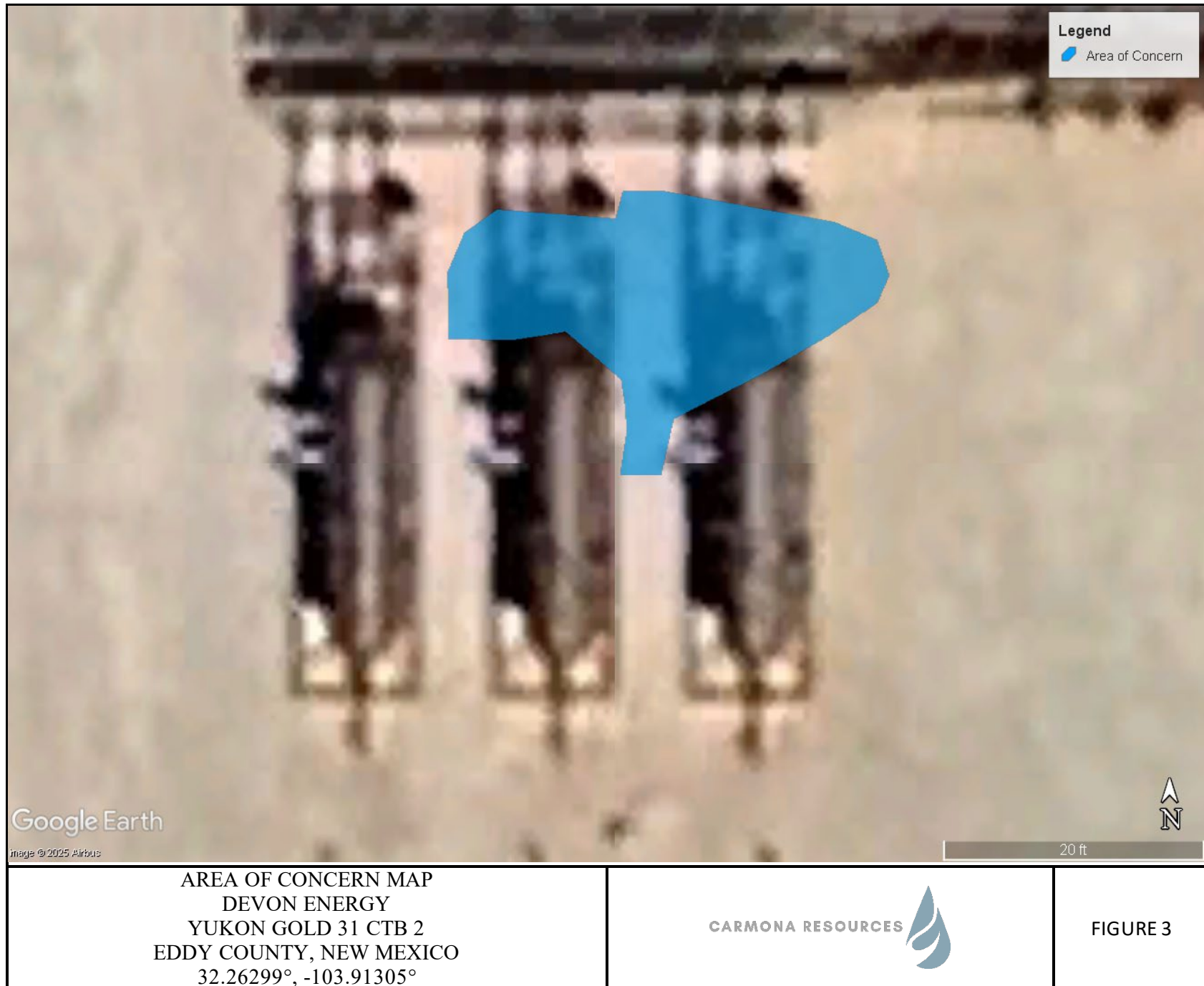


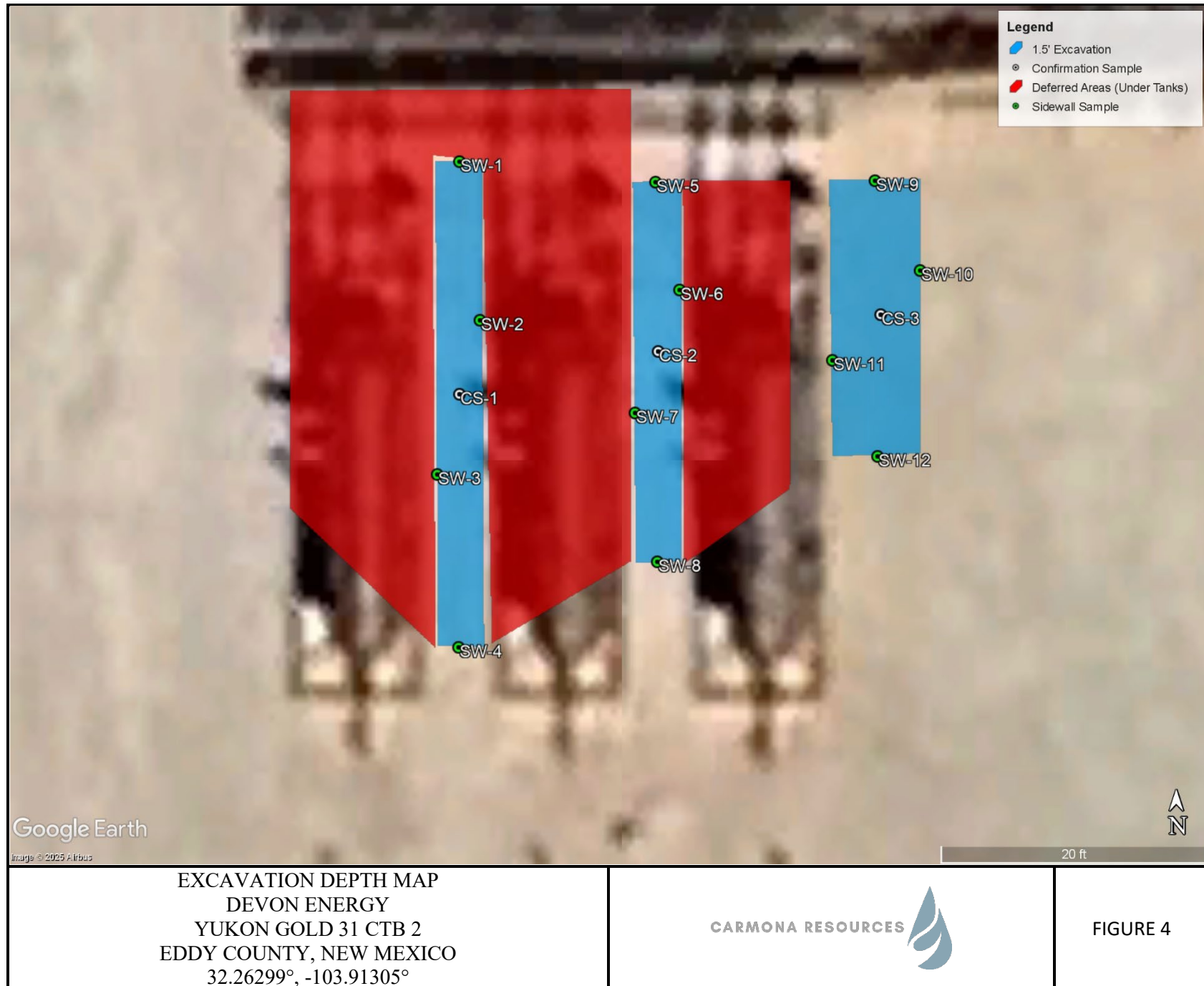
TOPOGRAPHIC MAP
DEVON ENERGY
YUKON GOLD 31 CTB 2
EDDY COUNTY, NEW MEXICO
32.26299°, -103.91305°

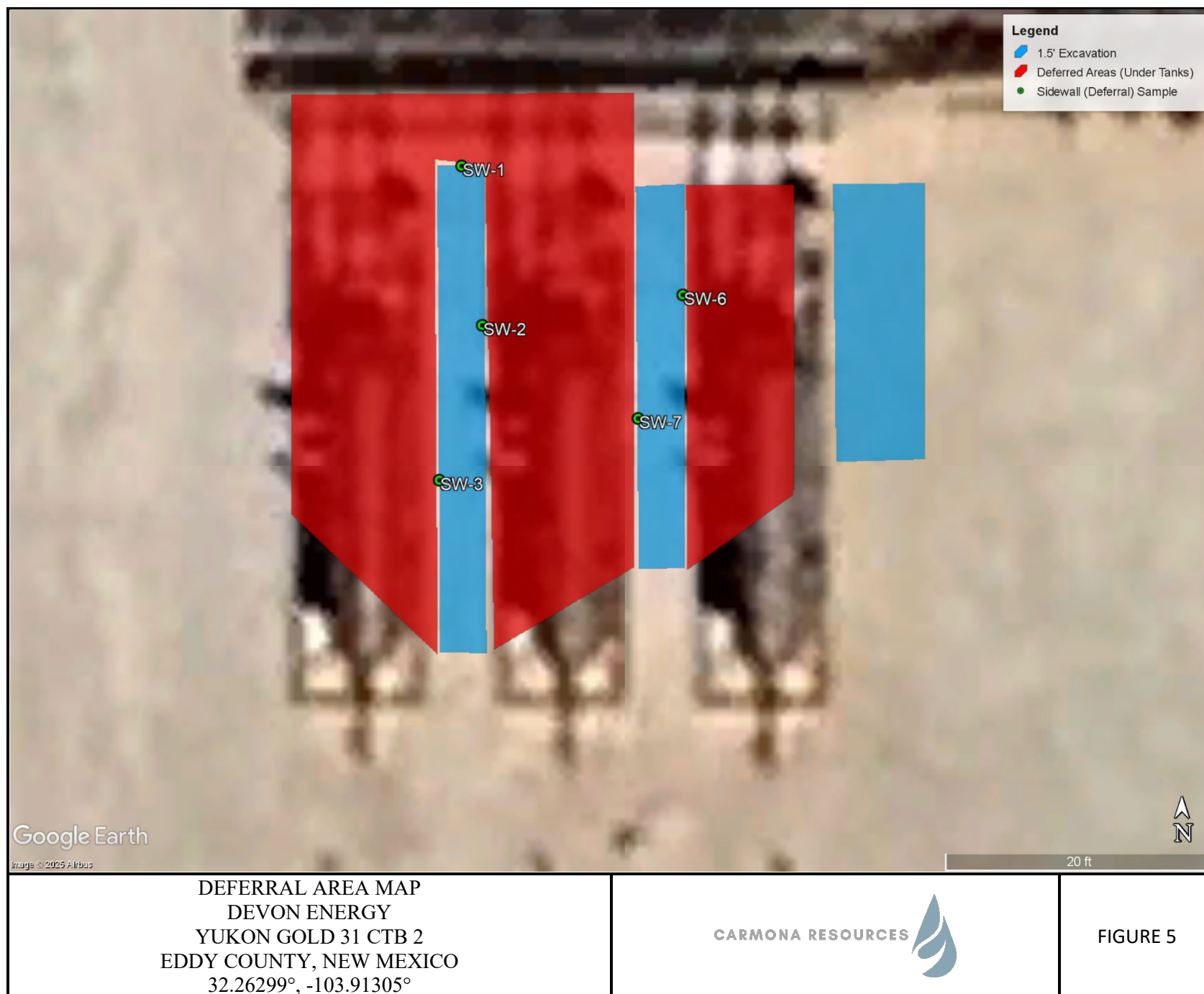
CARMONA RESOURCES



FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
YUKON GOLD 31 CTB 2
Devon Energy
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	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
CS-2	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-3	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
SW-2	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,960
SW-3	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,820
SW-4	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-5	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-6	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
SW-7	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,310
SW-8	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-9	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-10	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-11	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
SW-12	4/25/2025	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Backfill	4/25/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Deferral Area

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 1

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View North, area of CS-1.



Photograph No. 2

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View North, area of CS-2.



Photograph No. 3

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-3.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 4

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View North of backfilled area.



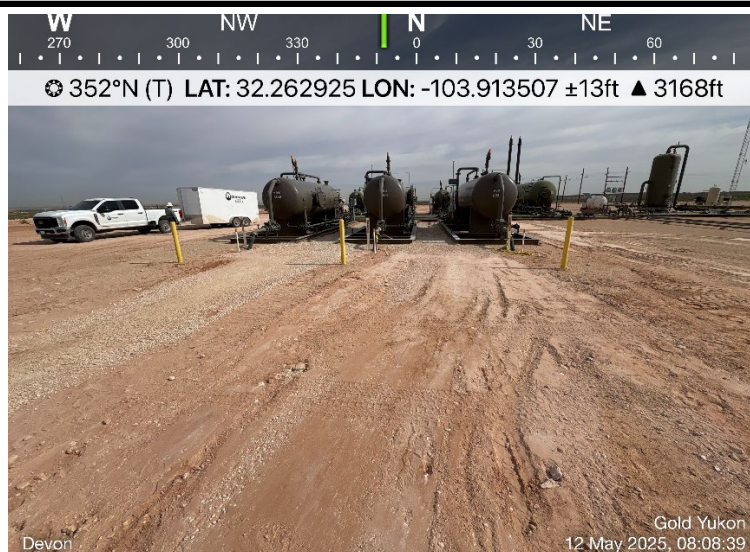
Photograph No. 5

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View North of backfilled area.



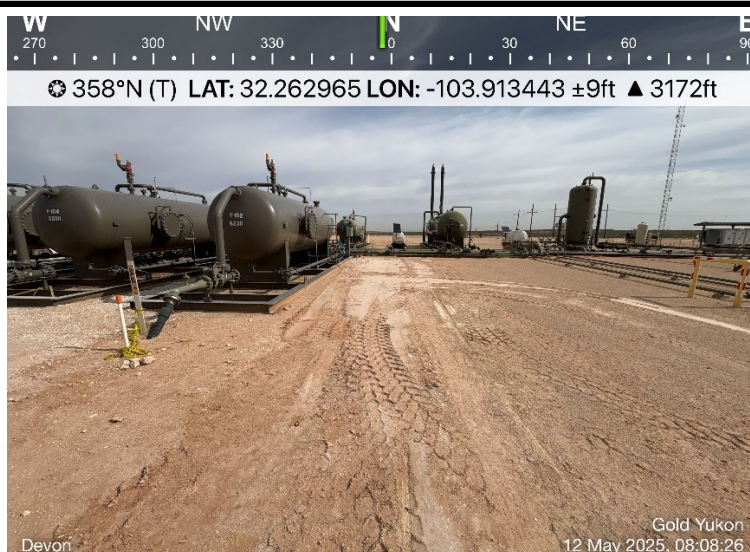
Photograph No. 6

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View North of backfilled area.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 7

Facility: Yukon Gold 31 CTB 2

County: Eddy County, New Mexico

Description:

View West of backfilled area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 430665

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430665
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	YUKON GOLD 31 CTB 2
Date Release Discovered	02/09/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Valve Produced Water Released: 6 BBL Recovered: 0 BBL Lost: 6 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)	Pinhole developed on 3" ball valve on water dump line of 3 phase and released 5.7 bbls of produced water onto pad surface.

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 430665

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430665
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 430665

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430665
	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.

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 430665

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430665
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jraley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/11/2025

Inputs in blue, Outputs in red

Contaminated Soil measurement

Length(Ft)	Width(Ft)	Depth(Ft)
<u>21</u>	<u>16.000</u>	<u>0.083</u>
Cubic Feet of Soil Impacted		<u>27.888</u>
Barrels of Soil Impacted		<u>4.97</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>0.75</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.75

Free Standing Fluid Only

Length(Ft)	Width(Ft)	Depth(Ft)
<u>21</u>	<u>16.000</u>	<u>0.083</u>
Standing fluid		<u>4.960</u>
Released to Imaging: 7/7/2025 9:20:25 AM		<u>5.706</u>

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 431673

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 431673
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2504240482
Incident Name	NAPP2504240482 YUKON GOLD 31 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2123652649] YUKON GOLD 31 CTB 2

Location of Release Source	
Please answer all the questions in this group.	
Site Name	YUKON GOLD 31 CTB 2
Date Release Discovered	02/09/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Valve Produced Water Released: 6 BBL Recovered: 0 BBL Lost: 6 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)	Pinhole developed on 3" ball valve on water dump line of 3 phase and released 5.7 bbls of produced water onto pad surface.

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 431673

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 431673
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 02/13/2025
--	---

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 431673

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 431673
	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>	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 431673

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 431673
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	2/13/2025

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 452613

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452613
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2504240482
Incident Name	NAPP2504240482 YUKON GOLD 31 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123652649] YUKON GOLD 31 CTB 2

Location of Release Source	
Site Name	YUKON GOLD 31 CTB 2
Date Release Discovered	02/09/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	650
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.263019, -103.913419) Carmona Resources will be onsite from 04.23.2025 until 04.25.2025 and will continue into the following week to collect the remaining confirmation samples.

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 452613

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452613
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	4/16/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

Devon Energy

Legend

- 0.04 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

55' GWDB - Drilled 2025

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)



Nearest water well

Devon Energy

Legend

- 0.50 Mile Radius
- 1.28 Miles
- 1.85 Miles
- 2.16 Miles
- Groundwater Determination Bore
- USGS Water Well
- YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

436.56' - Drilled 1976

105' GWDB - Drilled 2021

110' GWDB - Drilled 2020



Medium Karst

Devon Energy

Legend

- High
- Low
- Medium
- YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04526 POD1		CUB	ED	SE	NW	SE	06	24S	30E	601898.6	3568060.3		2107			
C 02486		C	ED	SW	NE	SW	19	23S	30E	601304.0	3572832.0 *		2893	350		
C 04497 POD1		CUB	ED	NW	NE	SW	04	24S	30E	604659.7	3568278.5		2976	110		
C 04597 POD5		CUB	ED	NE	NW	SE	24	23S	29E	600198.3	3572931.9		3521			
C 04597 POD4		CUB	ED	NW	NW	SE	24	23S	29E	600158.9	3572947.2		3557			
C 03908 POD3		CUB	ED	SW	NW	SW	34	23S	30E	605850.9	3569640.1		3559	463		
C 04597 POD3		CUB	ED	NW	NW	SE	24	23S	29E	600171.6	3572991.0		3585			
C 03908 POD2		CUB	ED	SW	NW	SW	34	23S	30E	605872.3	3569594.1		3587	518		
C 04597 POD2		CUB	ED	NW	NW	SE	24	23S	29E	600122.2	3572959.1		3589			
C 04597 POD1		CUB	ED	NW	NW	SE	24	23S	29E	600124.4	3573002.9		3623			
C 02108		CUB	ED		NW	SW	08	24S	30E	602702.0	3566487.0 *		3656	200	186	14

Average Depth to Water: 186 feet

Minimum Depth: 186 feet

Maximum Depth: 186 feet

Record Count: 11

UTM Filters (in meters):

Easting: 602324.00

Northing: 3570124.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

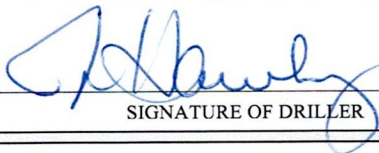
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4913			
	WELL OWNER NAME(S) Devon Production Co. LP.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 45.26	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	54	49.73	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S31 T23s R30e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 4-1-25	DRILLING ENDED 4-1-25	DEPTH OF COMPLETED WELL (FT) 55'		BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4-7-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0' 55'		5'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0'	5'	5'	Topsoil	Y ✓ N	
	5'	15'	10'	Brown Sand	Y ✓ N	
	15'	55'	40'	Red Sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 4-7-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME			James Hawley		4-7-25
						DATE
FOR OSE INTERNAL USE						WR-20 WELL RECORD & LOG (Version 09/22/2022)
FILE NO.		POD NO.		TRN NO.		
LOCATION		WELL TAG ID NO.		PAGE 2 OF 2		



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4913 POD1

Well owner: Devon Production CO. LP.

Phone No.: _____

Mailing address: 5315 Buena Vista Dr.

City: Carlsbad

State: NM

Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 4-7-25 Date well plugging concluded: 4-7-25
- 5) GPS Well Location: Latitude: 32 deg, 15 min, 45.26 sec
Longitude: 103 deg, 54 min, 49.73 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55' ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11-15-24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

4-7-25

Date _____



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4526			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32°	MINUTES 14'	SECONDS 42.15" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103°	55'	6.20" W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE Sec. 06 T24S R30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 05/14/2021		DRILLING ENDED 05/14/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4526	POD NO.	1	TRN NO.	692109
LOCATION	Expl	24S.30E.6.414	WELL TAG ID NO.	0310105102021	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	SAND, poorly graded, fine-very grained, Reddish-brown, dry	Y ✓ N	
	4	12	8	CALICHE, poorly-mod. consolidated, tan-off white, dry	Y ✓ N	
	12	19	7	SAND, poorly graded, fine-very grained, some caliche gravel, Tan, dry	Y ✓ N	
	19	24	5	SAND, poorly graded, fine-very grained, some caliche gravel, Light- Brown, dry	Y ✓ N	
	24	72	48	SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	72	92	20	SAND, poorly graded, fine-very grained, some silt, Reddish Brown, moist	Y ✓ N	
	92	102	10	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	102	105	3	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	<div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. <u>C-4526</u>	POD NO. <u>1</u>	TRN NO. <u>692109</u>
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

OSE 07 JUN 10 2021 09:21:47



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTJ JAN 28 2021 PM 4:24

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4497			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 14'	SECONDS 46.69"	N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103°	53'	20.46"	W	• DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SW Sec. 4 T24S R30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 12/28/2020		DRILLING ENDED 12/28/2020		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4497	POD NO.	1	TRN NO.	682526
LOCATION	231	T24S Sec 4	R30E	WELL TAG ID NO.	NA
					PAGE 1 OF 2

DSE DTJ JAN 28 2021 PM 4:24

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	1.5	1.5	CALICHE, poor-moderate consolidation, few sand, fine grain, light brown, dry	Y ✓ N		
	1.5	5	3.5	SAND, well graded, fine grain, few gravel, sub angular, 2-8mm. Red/brown, dry	Y ✓ N		
	5	16	11	SAND, fine grain, poorly graded, few gravel, some clay, red/brown, moist	Y ✓ N		
	16	85	69	SAND, well graded, large grain, little clay, noncohesive,, red/brown, moist	Y ✓ N		
	85	--	--	SANDSTONE, very poorly consolidated, medium-fine grain, well graded,	Y ✓ N		
	--	105	20	few caliche gravel, sub angular, 1.5-7mm, light brown - almond brown, moist	Y ✓ N		
	105	--	--	SANDSTONE, highly consolidated, medium-fine grain, poorly graded,	Y ✓ N		
	--	110	5	few clay, low plasticity, noncohesive, light brown-almond brown, dry	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div style="text-align: center;"> Jackie D. Atkins DATE </div> <div style="text-align: center;"> 01/15/2021 </div> </div>						

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4497	POD NO. 1	TRN NO. 682526	
LOCATION 231 T245 Sec 4 R30E	WELL TAG ID NO. NA	PAGE 2 OF 2	

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 682526
File Nbr: C 04497
Well File Nbr: C 04497 POD1

Feb. 05, 2021

TACOMA MORRISSEY
WSP USA
3300 NORTH A STREET
BLDG 1 #222
MIDLAND, TX 79705

Greetings:

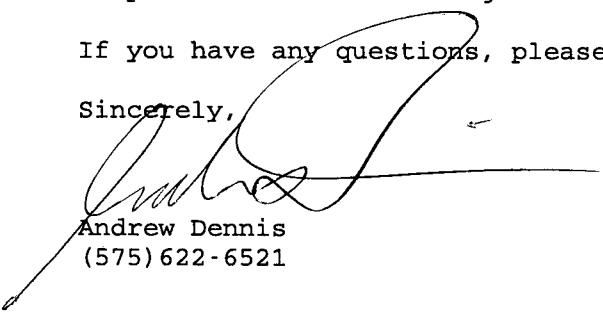
The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 01/28/2021, stating that it had been completed on 12/28/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Sincerely,


Andrew Dennis
(575) 622-6521

drywell

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 =

- 321542103522801

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

USGS 321542103522801 23S.30E.34.133144 USGS-4

Eddy County, New Mexico
Latitude 32°15'45.42", Longitude 103°52'36.09" NAD83
Land-surface elevation 3,413 feet above NAVD88
The depth of the well is 518 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
1961-12-12			D 62610		2977.68	NGVD29	1	Z			A
1961-12-12			D 62611		2979.38	NAVD88	1	Z			A
1961-12-12			D 72019	433.62			1	Z			A
1962-05-10			D 62610		2978.11	NGVD29	1	Z			A
1962-05-10			D 62611		2979.81	NAVD88	1	Z			A
1962-05-10			D 72019	433.19			1	Z			A
1962-07-31			D 62610		2978.13	NGVD29	1	Z			A
1962-07-31			D 62611		2979.83	NAVD88	1	Z			A
1962-07-31			D 72019	433.17			1	Z			A
1962-08-08			D 62610		2978.13	NGVD29	1	Z			A
1962-08-08			D 62611		2979.83	NAVD88	1	Z			A
1962-08-08			D 72019	433.17			1	Z			A
1963-03-10			D 62610		2977.80	NGVD29	1	Z			A
1963-03-10			D 62611		2979.50	NAVD88	1	Z			A
1963-03-10			D 72019	433.50			1	Z			A
1972-09-25			D 62610		2977.39	NGVD29	1	Z			A
1972-09-25			D 62611		2979.09	NAVD88	1	Z			A
1972-09-25			D 72019	433.91			1	Z			A
1976-12-14			D 62610		2974.74	NGVD29	1	Z			A
1976-12-14			D 62611		2976.44	NAVD88	1	Z			A
1976-12-14			D 72019	436.56			1	Z			A

Explanation

Section	Code	Description
---------	------	-------------

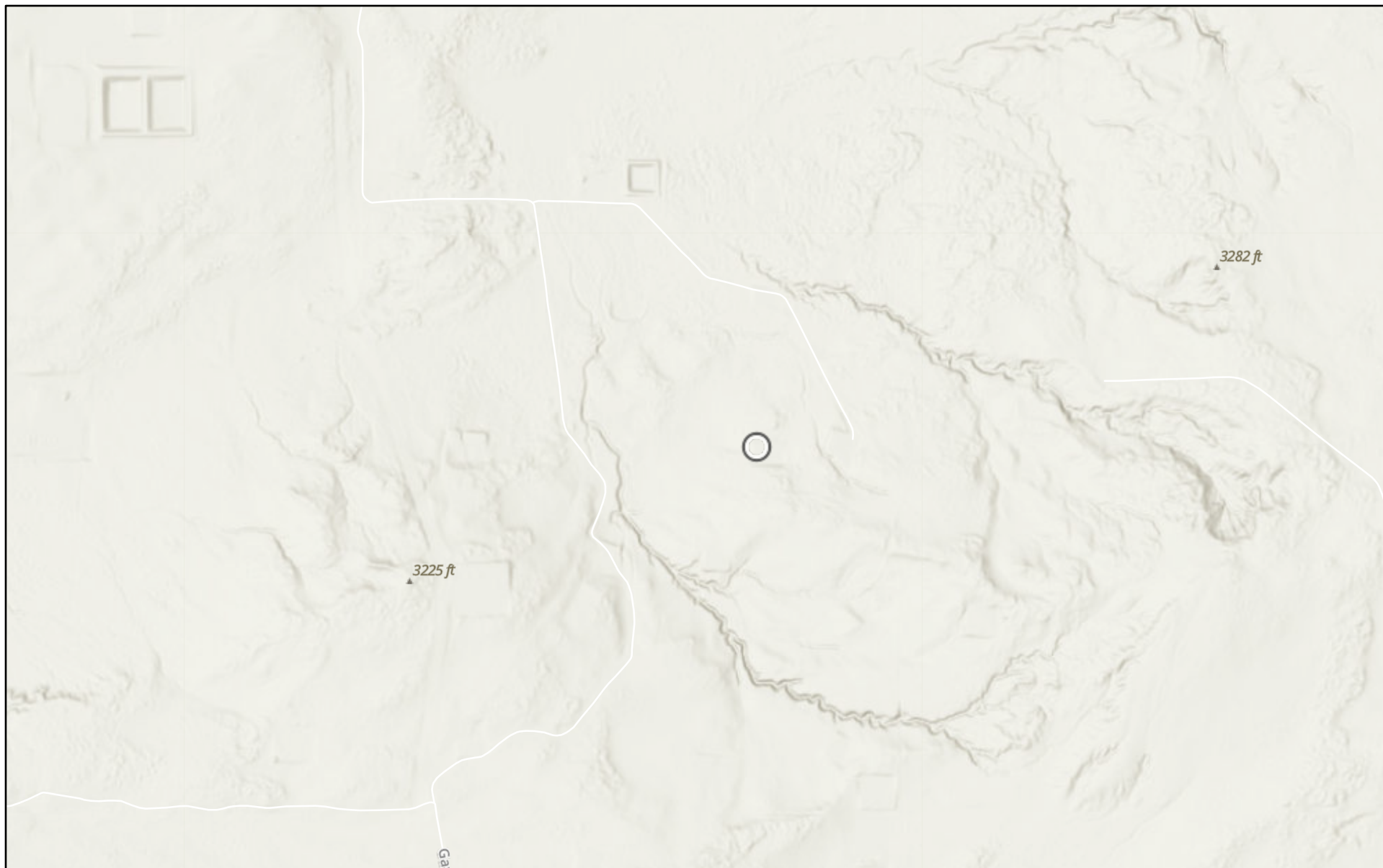
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho meast
Referenced vertical datum			NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum			NGVD29	National Geodetic Vertical Datum of 1929				
Status			1	Static				
Method of measurement			Z	Other.				
Measuring agency				Not determined				
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 10:45:10 EDT
0.31 0.23 nadww01

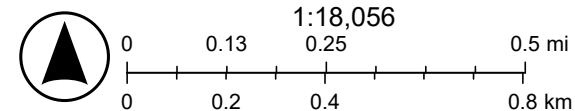


YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)



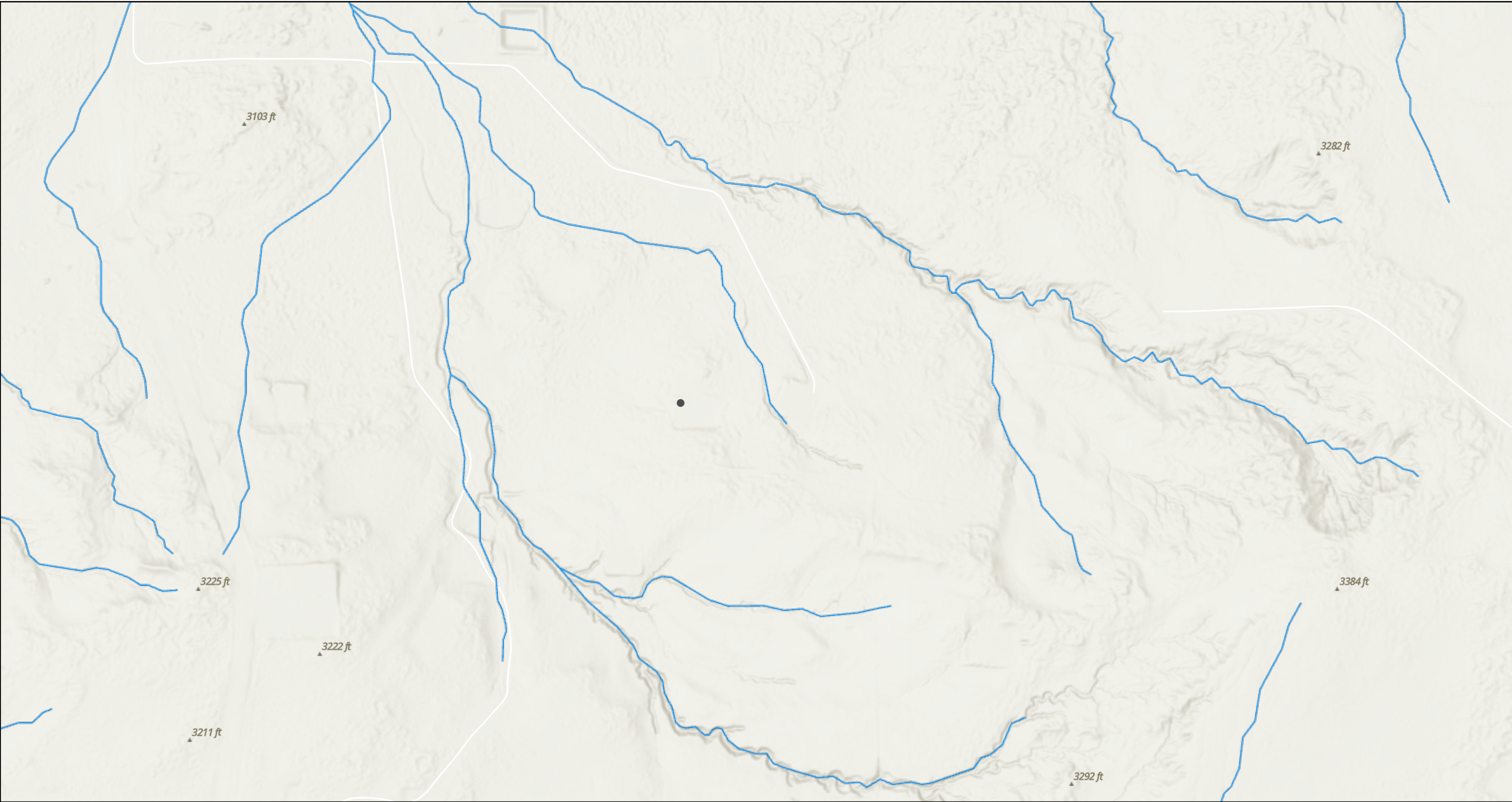
10/2/2024

World Hillshade



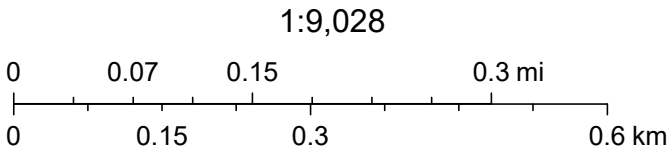
Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom,

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

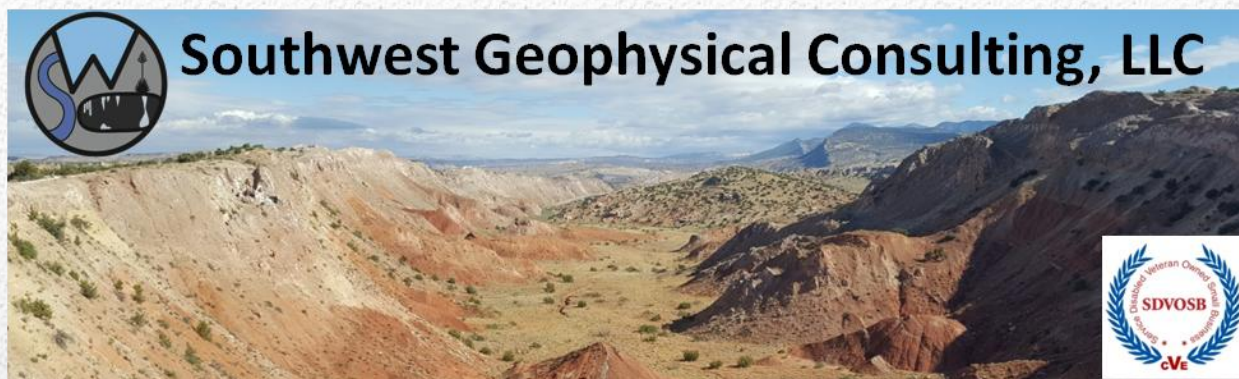


10/2/2024, 9:35:39 AM

— OSE Streams



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,



Environmental Karst Study Report Yukon Gold 31 19 Federal Com #212 Eddy County, New Mexico

**Prepared For:
Carmona Resources
310 W Wall Street, Suite 500
Midland, TX 79701**

- ☐ Positive within 200 feet of spill delineation boundary
- ☒ Negative within 200 feet of spill delineation boundary
- ☒ Stable ☐ Unstable Ground
- ☐ Karst Monitor Recommended

February 21, 2025

CARM-001-20241105

©2025 – Southwest Geophysical Consulting, LLC. All rights reserved.

Published by:

Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
(505) 585-2550
www.swgeophys.com

Prepared by:

Garrett Jorgensen Olague
Senior Field Geologist
garrett@swgeophys.com

Reviewed by:

David Decker, PhD, PG, CPG
CEO, Principal Geologist
dave@swgeophys.com

Prepared for:

Carmona Resources
310 West Wall Street, Suite 500
Midland TX, 79701

Ashton Thielke
(281) 753-5659
thielkea@carmonaresources.com

MMXXV

TABLE OF CONTENTS

FRONT MATTER.....	i
TABLE OF CONTENTS.....	ii
LIST OF FIGURES.....	iii
LIST OF TABLES.....	iii
1.0 INTRODUCTION.....	1
1.1 Goals of this Study.....	1
1.2 Summary of Findings.....	1
1.3 Affected Environment.....	1
1.4 Limitations of Report.....	3
2.0 LOCATION AND DESCRIPTION OF STUDY AREA.....	4
2.1 Description of Site.....	4
2.2 Local Geology Summary.....	5
2.3 Description of Survey.....	6
2.3.1 Surface Karst Inventory	6
2.3.2 Geophysical Survey.....	8
3.0 RESULTS.....	10
3.1 Surface Karst Survey.....	10
3.2 Geophysical Survey.....	10
4.0 DISCUSSION.....	12
5.0 SUMMARY.....	14
6.0 DISCLOSURE STATEMENT	14
7.0 REFERENCES.....	16
8.0 GLOSSARY OF TERMS.....	18
9.0 ATTESTATION	20

LIST OF FIGURES

Figure 1: Karst occurrence zone overview..... 2

Figure 2: Land ownership and PLSS overview..... 4

Figure 3: Geology overview 5

Figure 4: Surface survey overview 6

Figure 5: Geophysical survey overview 8

Figure 6: Aerial karst survey results..... 10

Figure 7: 2D inverted resistivity section 11

Figure 8: Data overlay 13

LIST OF TABLES

Table 1: Survey Line Data Table 9

Table 2: Software Information and Settings..... 9

1.0 INTRODUCTION

This report was commissioned by Carmona Resources (hereinafter referred to as "the client"), on November 5, 2024, for the purpose of conducting an environmental karst study within an area encompassing the Yukon Gold 31 19 Federal Com #212 release site (hereinafter termed "YG31") centered at N 32.765001° W 104.282459°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within the spill boundary of the Yukon Gold 31 19 Federal Com #212 release using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary.**
- **No anomalies consistent with air-filled voids are located within the YG31 resistivity survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**

1.3 Affected Environment

The YG31 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within both a **HIGH** karst occurrence zone (HKOZ) and a **MEDIUM** karst occurrence zone (MKOZ)^[5] (**Figure 1**).

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff^[4].

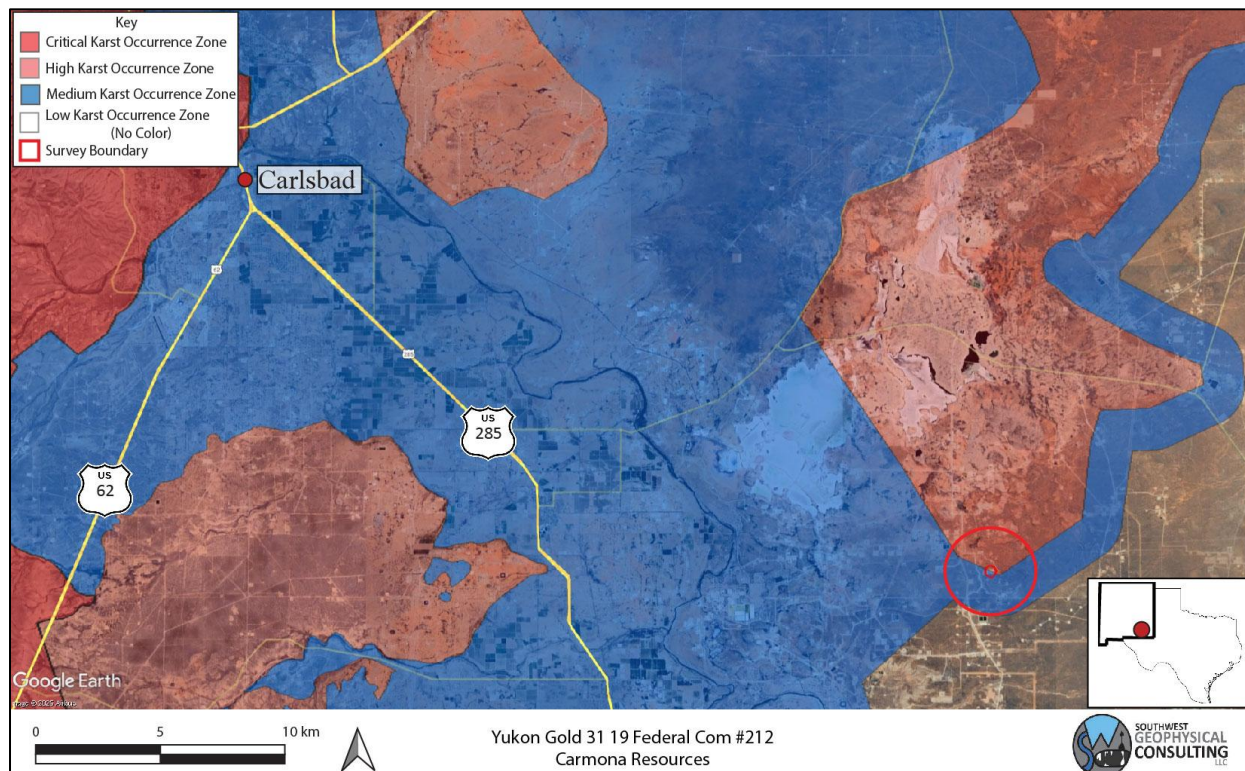


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

Due to the rapidity with which evaporite karst develops, each location within a CKOZ or HKOZ must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Carmona Resources in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond three years past the dates of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 34.3 kilometers (21.3 miles) southeast of Carlsbad, New Mexico, east of Rawhide and Gavilan Roads. The release area is located within the northeast $\frac{1}{4}$ section of section 31, NM T23S R30E^[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within both an HKOZ and MKOZ^[5] (**Figure 1**) and entirely within BLM-CFO managed land^[10] (**Figure 2**).

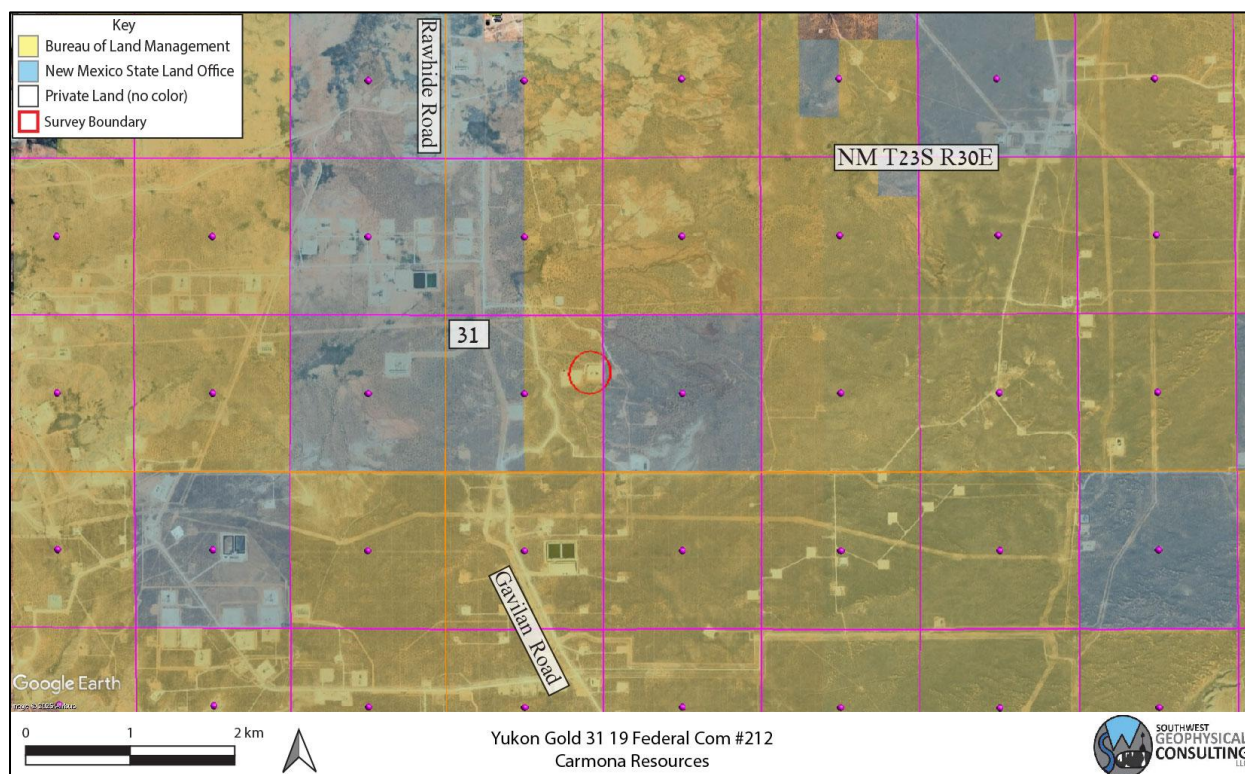


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the YG31 survey is located east of Nash Draw at an elevation of 967 meters (3,173 feet), ± 15 meters (49.2 feet). This region is entirely underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary eolian deposits (Qe), and piedmont gravels (Qp)^[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)^[12].

The Pru overlies the Permian Salado Formation (Psl), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[11] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[14].

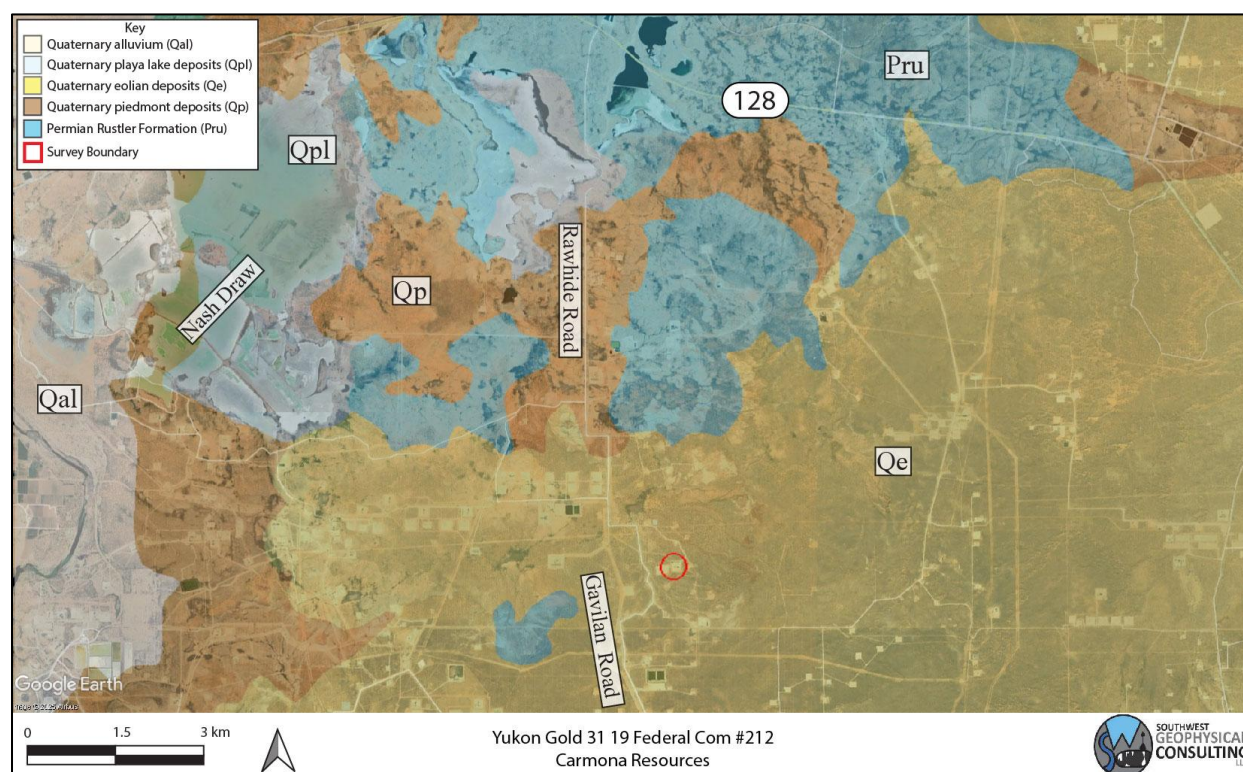


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Inventory

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The aerial karst survey includes a surface karst desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated December 23, 2024^[15]; the Remuda Basin, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

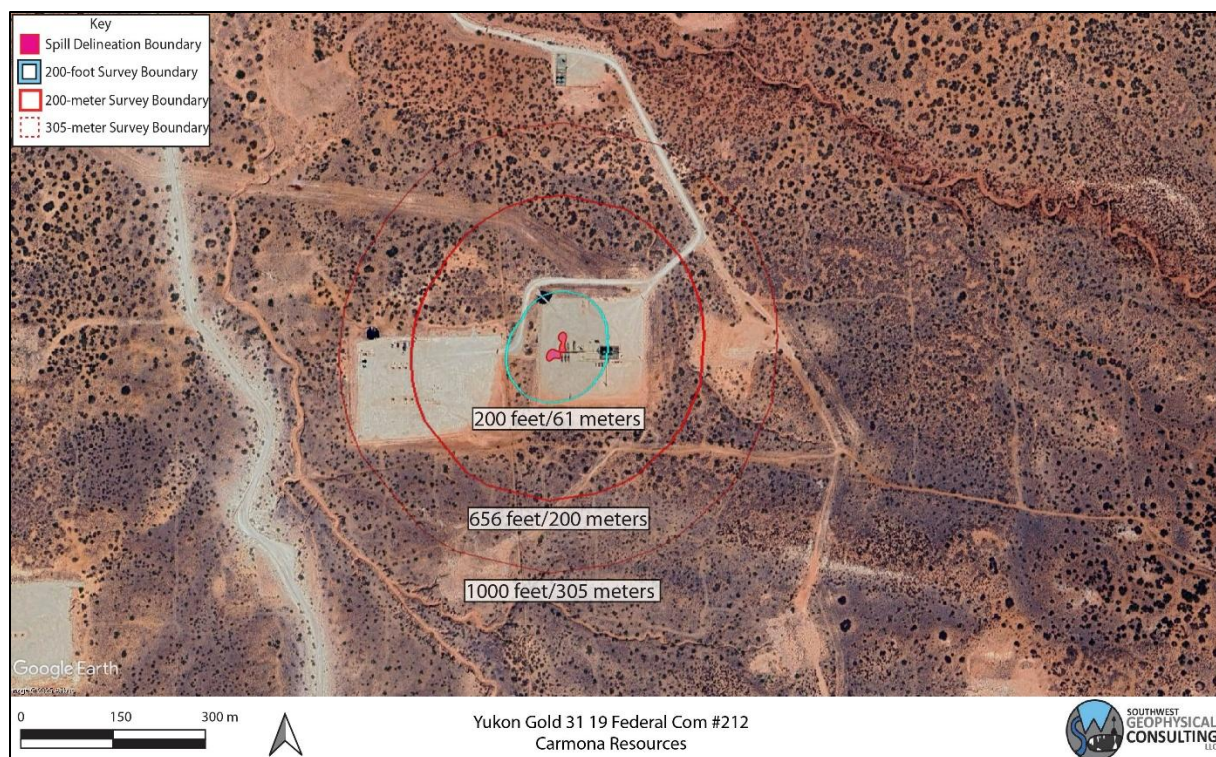


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: August 21, 2024. Datum: WGS-84.

Aerial karst surveys are conducted at low elevation within 200 meters of the spill delineation boundary^[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[16].

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on November 18, 2024. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on December 2, 2024.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 56-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of one resistivity line in a dipole-dipole strong-gradient configuration laid out south to north. The single line consisted of 56 electrodes at 4-meter spacing, resulting in a 220-meter-long array (**Figure 5, Table 1**). A preconfigured command file was used to run the data collection (DDSG56). This electrode configuration provided a depth of investigation of 44 meters (144 feet) and a resolution of 2.0 to 2.5 meters (6.6 to 8.2 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.



Figure 5: Geophysical survey overview. One survey line was conducted with 56 electrodes each at 4-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/ longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files YG31_ERI_Points.xlsx and CARM-001-20241105_YG31_Data_Files.kmz.

File Name:	Completed By:	Date:
YG3101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Steven Kesler – Field Geologist	1/27/2025

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of “stable” or “unstable” ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was “average apparent resistivity” and a default inversion setting of “surface,” with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 k Ω -m Min Apparent Resistivity = 0.1 Ω -m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Steven Kesler on January 27, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)^[1] survey area surrounding the spill delineation boundary (Figure 6). No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

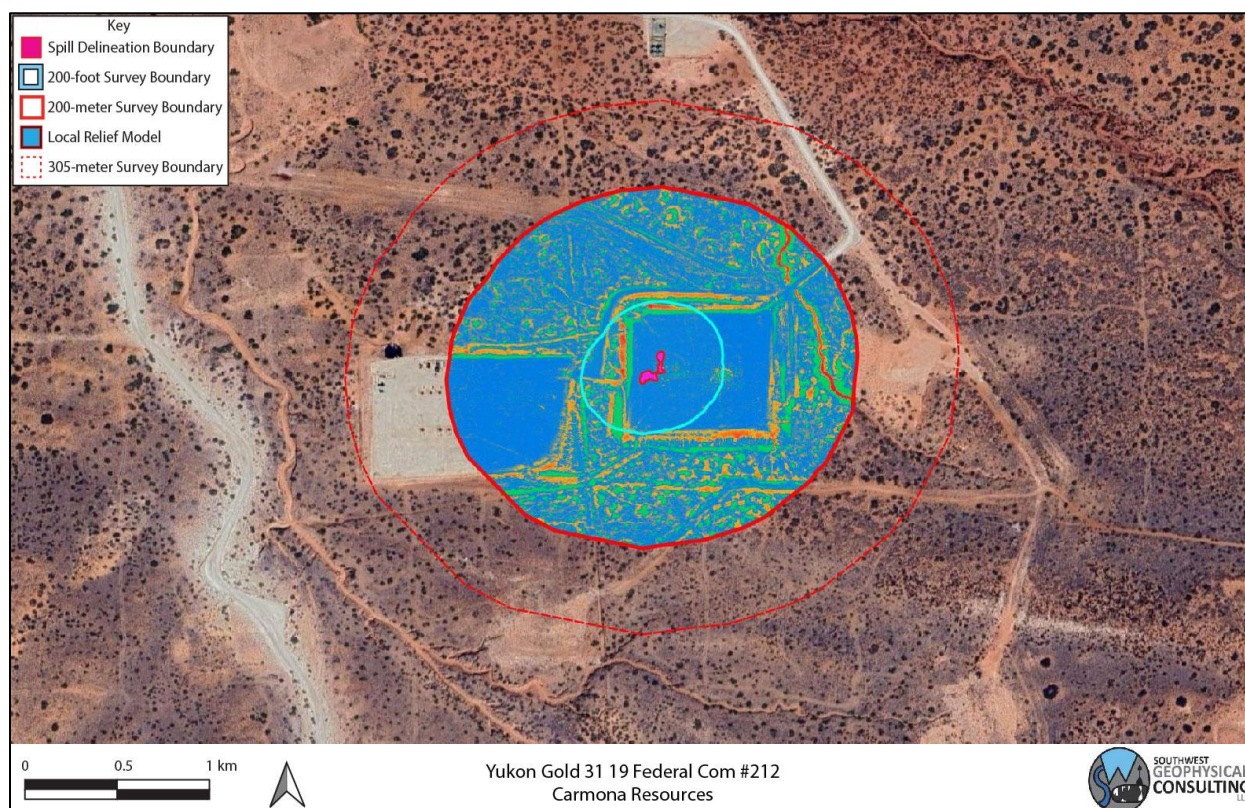


Figure 6: Aerial karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-

active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with resistivities between 3.3 and 1,572 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

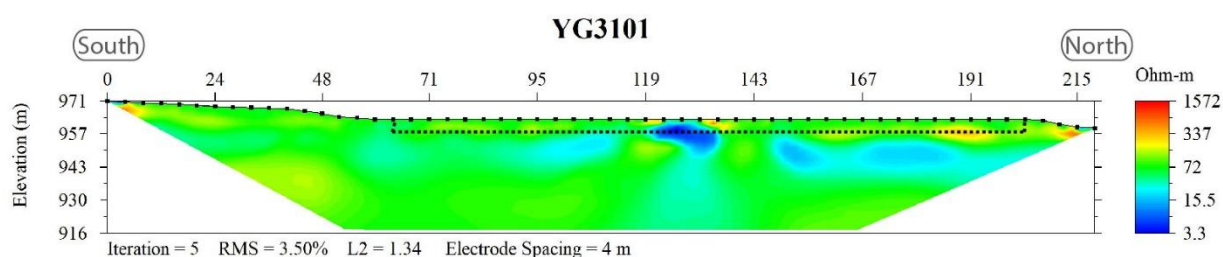


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative. The dashed black line indicates the location of the well pad.

4.0 DISCUSSION

No anomalies consistent with air-filled subsurface voids are found within the YG31 survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (1.5 – 2.0 meters) may be present. Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as dry gypsite soils and gypsum bedrock of the Rustler Formation^[17] (**Figure 7** and **Figure 8**).

The low-resistivity area between 3.3 – 15 Ohm-m is interpreted to represent fluid from the brine release. Other low resistivity areas between 15 and 50 may represent surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation. (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities that require excavation below four feet in depth should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.0 – 2.5 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

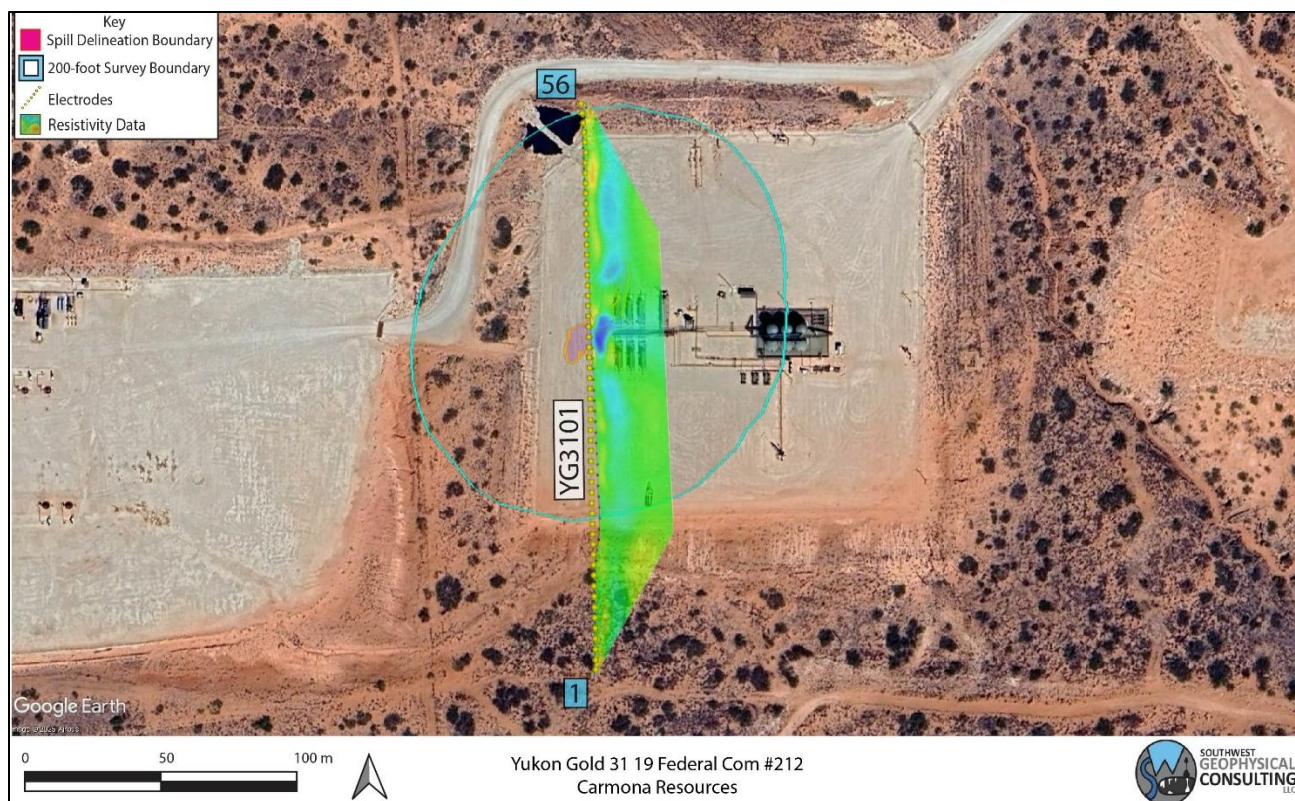


Figure 8: Data overlay. Colored trapezoid is the 2D inverted resistivity line. Background image credit: Google Earth. Image date: March 20, 2023.

5.0 SUMMARY

- **The YG31 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

High karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

7.0 REFERENCES

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
- 2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).
- 3 Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
- 4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).
- 5 Decker, D., Trautner, E. & Palmer, R. (Bureau of Land Management - Carlsbad Field Office, 2025).
- 6 Earthpoint. *Earthpoint Tools for Google Earth*, <<https://www.earthpoint.us/Townships.aspx>> (2022).
- 7 Decker, D. D., Land, L. & Luke, B. Characterization of Playa Lakes in the Gypsum Karst of Southeastern New Mexico and West Texas, USA. *Oklahoma Geological Survey Circular 113 113* (2021).
- 8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, (2010).
- 9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).
- 10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).
- 11 Scholle, P. A. *Geologic Map of New Mexico*. (2003).
- 12 Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- 13 Johnson, K. S. Evaporite Karst in the United States. *Carbonates and Evaporites* **12**, 2-14 (1997).
- 14 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <<https://mrdata.usgs.gov/geology/state/state.php?state=NM>> (1997).
- 15 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).

- 16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).
- 17 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω -m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

PdI	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed," meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

Southwest Geophysical Consulting, LLC

5117 Fairfax Dr. NW

Albuquerque, NM 87114

dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number CARM-001-20241105 entitled, “Environmental Karst Study Report, Yukon Gold 31 19 Federal Com #212, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, February 23, 2025.



David D. Decker
PhD, CPG-12123



APPENDIX E

CARMONA RESOURCES





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 29, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: YUKON GOLD (02.09.2025)

Enclosed are the results of analyses for samples received by the laboratory on 04/25/25 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (1') (H252507-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (1') (H252507-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTEX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (1') (H252507-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (1') (H252507-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTEX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (1') (H252507-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861	
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41	
Total BTEX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (1') (H252507-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861	
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41	
Total BTEX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1820	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (1') (H252507-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861	
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41	
Total BTX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (1') (H252507-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (1') (H252507-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861	
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41	
Total BTX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (1') (H252507-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (1') (H252507-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (1') (H252507-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861	
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55	
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14	
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41	
Total BTEX	<0.300	0.300	04/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/28/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (1') (H252507-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTEX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (1') (H252507-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/28/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (1') (H252507-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/28/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	194	97.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	206	103	200	0.783	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H252S07Page 1 of 2

Page 18 of 19

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		YUKON GOLD (02.09.2025)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		2681		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																None: NO DI Water: H ₂ O							
Project Location:		Eddy County, NM		Due Date:		48 hour														Cool: Cool MeOH: Me							
Sampler's Name:		KR																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet Ice:		Yes	No	Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												HOLD		H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Received Intact:		Yes		No	Thermometer ID:		140																				
Cooler Custody Seals:		Yes		No	Correction Factor:		10.3																				
Sample Custody Seals:		Yes		No	Temperature Reading:		3.3																				
Total Containers:				Corrected Temperature:		3.0																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments								
CS-1 (1')	4/25/2025		X		Comp	1	X	X	X													1					
CS-2 (1')	4/25/2025		X		Comp	1	X	X	X													2					
CS-3 (1')	4/25/2025		X		Comp	1	X	X	X													3					
SW-1 (1')	4/25/2025		X		Comp	1	X	X	X													4					
SW-2 (1')	4/25/2025		X		Comp	1	X	X	X													5					
SW-3 (1')	4/25/2025		X		Comp	1	X	X	X													6					
SW-4 (1')	4/25/2025		X		Comp	1	X	X	X													7					
SW-5 (1')	4/25/2025		X		Comp	1	X	X	X													8					
SW-6 (1')	4/25/2025		X		Comp	1	X	X	X													9					
SW-7 (1')	4/25/2025		X		Comp	1	X	X	X													10					

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Kevin Lores</i>	<i>Spodrigney</i>	4/25/25 12:29	2		
3			4		
5			6		

Chain of Custody

Work Order No: 1252507Page 2 of 2

Page 19 of 19

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	

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"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																			None: NO DI Water: H ₂ O					
Project Location:		Due Date:		Parameters																	Cool: Cool MeOH: Me					
Sampler's Name:		48 Hour																			HCL: HC HNO ₃ : HN					
PO #:																					H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:																			H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																		Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																		Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC						
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments		
SW-8 (1')		4/25/2025		X		Comp	1	X	X	X															11	
SW-9 (1')		4/25/2025		X		Comp	1	X	X	X															12	
SW-10 (1')		4/25/2025		X		Comp	1	X	X	X															13	
SW-11 (1')		4/25/2025		X		Comp	1	X	X	X															14	
SW-12 (1')		4/25/2025		X		Comp	1	X	X	X															15	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <u>Kevin Reyes</u>	<u>Shodriqney</u>	<u>4-25-25 1229</u>	2		
3			4		
5			6		

Revised Date 05/01/2020 Rev. 2020.1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 29, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: YUKON GOLD (02.09.2025)

Enclosed are the results of analyses for samples received by the laboratory on 04/25/25 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/25/2025
 Reported: 04/29/2025
 Project Name: YUKON GOLD (02.09.2025)
 Project Number: 2681
 Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BACKFILL (H252506-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2025	ND	2.16	108	2.00	0.861		
Toluene*	<0.050	0.050	04/28/2025	ND	2.15	108	2.00	1.55		
Ethylbenzene*	<0.050	0.050	04/28/2025	ND	2.07	103	2.00	2.14		
Total Xylenes*	<0.150	0.150	04/28/2025	ND	6.06	101	6.00	2.41		
Total BTX	<0.300	0.300	04/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/28/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2025	ND	218	109	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/28/2025	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/28/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

APPENDIX F

CARMONA RESOURCES



CARMONA RESOURCES



SITE INFORMATION

Deferral Report
Yukon Gold 31 19 Federal Com #212H
Incident ID: NAPP2427461130
Unit H Sec 31 T23S R30E
Eddy County, New Mexico
32.262943°, -103.916068°

Produced Water Release
Point of Release: Pinhole Leak on 3-Phase Water Leg
Release Date: 09.30.2024
Volume Released: 7.6 Barrels of Produced Water
Volume Recovered: 5 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Devon Energy
5315 Buena Vista Drive,
Carlsbad, New Mexico 88220

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

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992



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 4A-4B	EXCAVATION
FIGURE 5	DEFERRAL		

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	INITIAL C-141 & NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION, GROUNDWATER, & KARST SURVEY
APPENDIX E	LABORATORY REPORTS



May 13, 2025

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

Re: Deferral Report
Yukon Gold 31 19 Federal Com #212H
Devon Energy
Incident ID: NAPP2427461130
Site Location: Unit H, S31, T23S, R30E
(Lat 32.262943°, Long -103.916068°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Devon Energy (Devon), Carmona Resources, LLC has prepared this letter to document site activities for the Yukon Gold 31 19 Federal Com #212H. The site is located at 32.262943°, -103.916068° within Unit H, S31, T23S, R30E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on September 30, 2024, due to pinhole leak on the 3-phase water leg. It resulted in the release of approximately seven point six (7.6) barrels of produced water, and approximately five (5) barrels of produced water were recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is 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. On April 1, 2025, Carmona Resources installed a groundwater determination bore located approximately 0.04 miles Southwest of the release area in S31, T23S, R30E. The bore indicated no signs of water at a depth of 55 feet below ground surface (ft bgs) when it was gauged on April 7, 2025. A copy of the groundwater determination bore log is attached in Appendix D.

Additionally, a karst survey was completed on January 27, 2025, per NMOCD & BLM request. The Karst Survey resulted in “no surface karst features within the 200-foot (61-meter)[1] survey area surrounding the spill delineation boundary”. Remediation proceeded per the standards set in Table 1 NMAC 19.15.29.12 Groundwater >55 feet due to the site being determined to be in a “Low Karst” environment. See Appendix D for Site Characterization, Groundwater information, Karst Survey.

310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992



3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

On October 10, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) borehole samples (BH-1 through BH-5) and nine (9) horizontal sample points (H-1 through H-9) were advanced to depths ranging from surface to 24' bgs inside and surrounding the release. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Beginning on April 22, 2025, Carmona Resources personnel were onsite to supervise 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 April 16, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of BH-1 through BH-5 were excavated to a depth of 1.5' bgs. A total of fourteen (14) confirmation floor samples were collected (CS-1 through CS-14), and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A and 4B.



Deferment Area

A 6"-8" buffer zone on each side of Devons' equipment, and underneath the equipment, on site will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that buffer zone could potentially cause structural instability and might result in additional releases in the future as backfill material can shift and settle over time. The deferred areas are defined by the following composite confirmation sidewall samples: SW-12 through SW-13. Approximately 462 square feet, 26 cubic yards, of contamination was left in place under the site equipment. Refer to Table 2 and Figure 5.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,413 square feet of contamination was remediated, resulting in 134 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on May 10, 2025. The backfill material was sourced from Northern Delaware Basin Landfill and was collected for laboratory analysis on April 25, 2025, before being utilized. Laboratory data can be found in Table 2.

6.0 Conclusions

Based on the area, safety, and active facility equipment, Devon requests to defer the chloride impact within the facility equipment. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

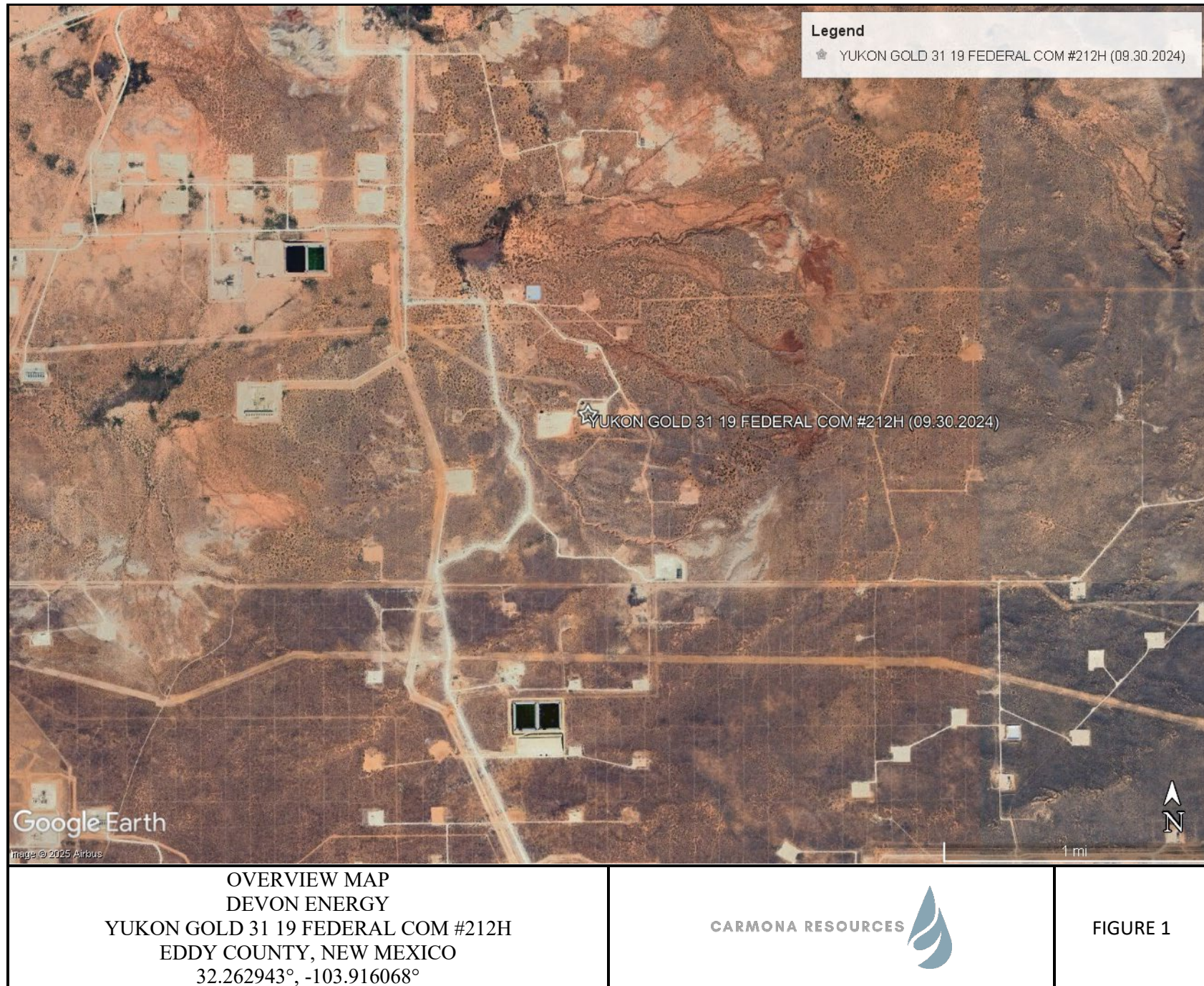
Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES





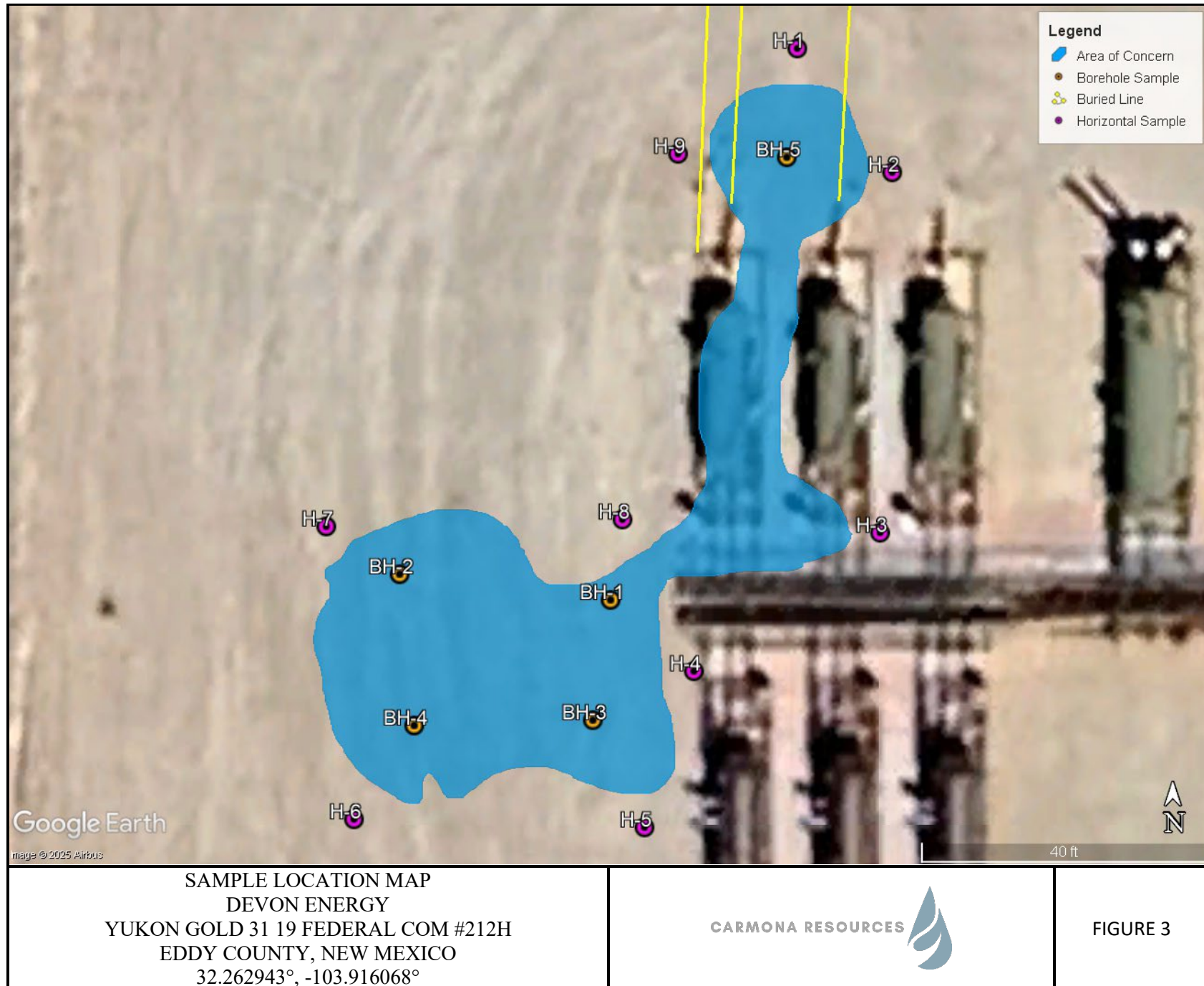


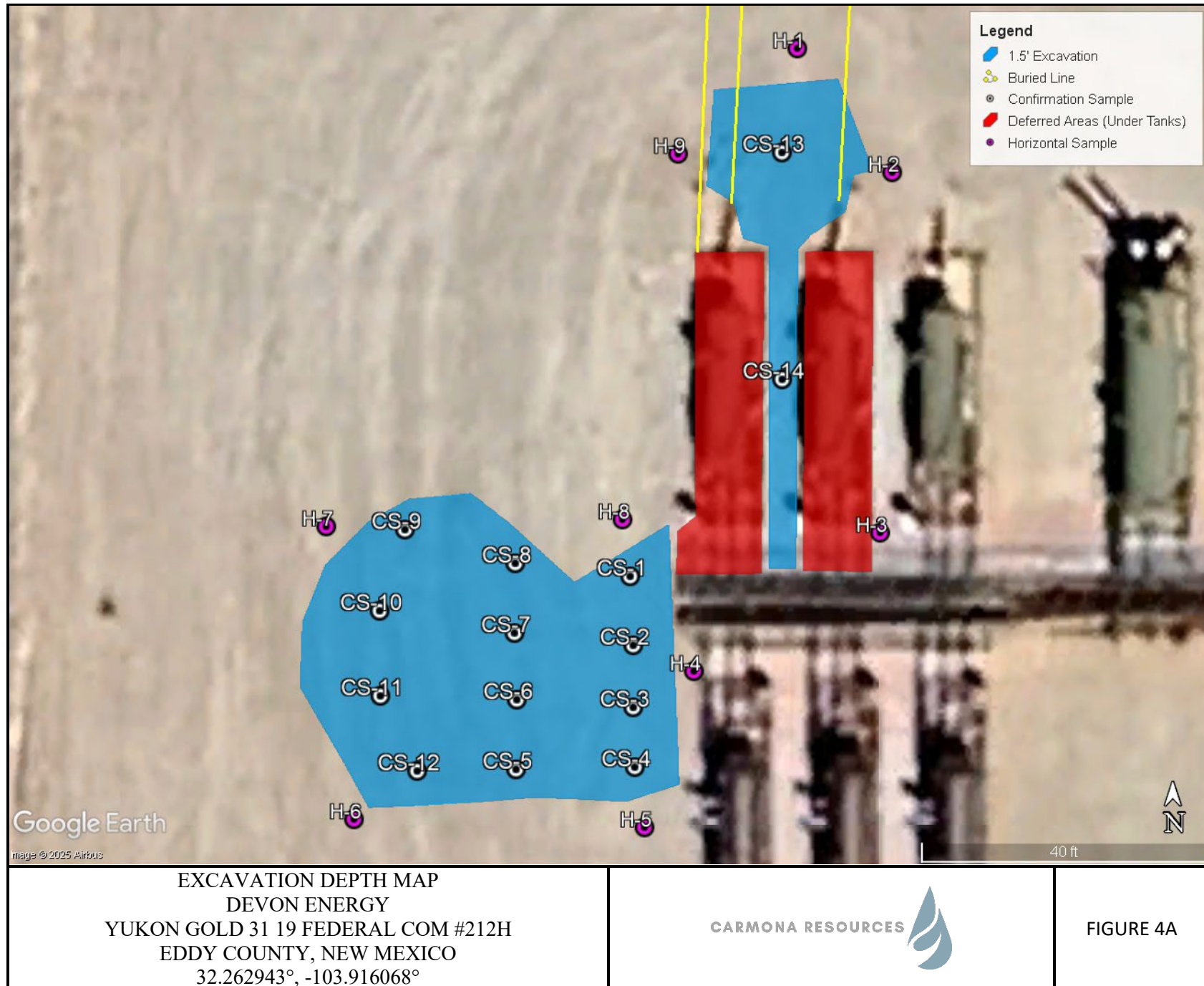
TOPOGRAPHIC MAP
DEVON ENERGY
YUKON GOLD 31 19 FEDERAL COM #212H
EDDY COUNTY, NEW MEXICO
32.262943°, -103.916068°

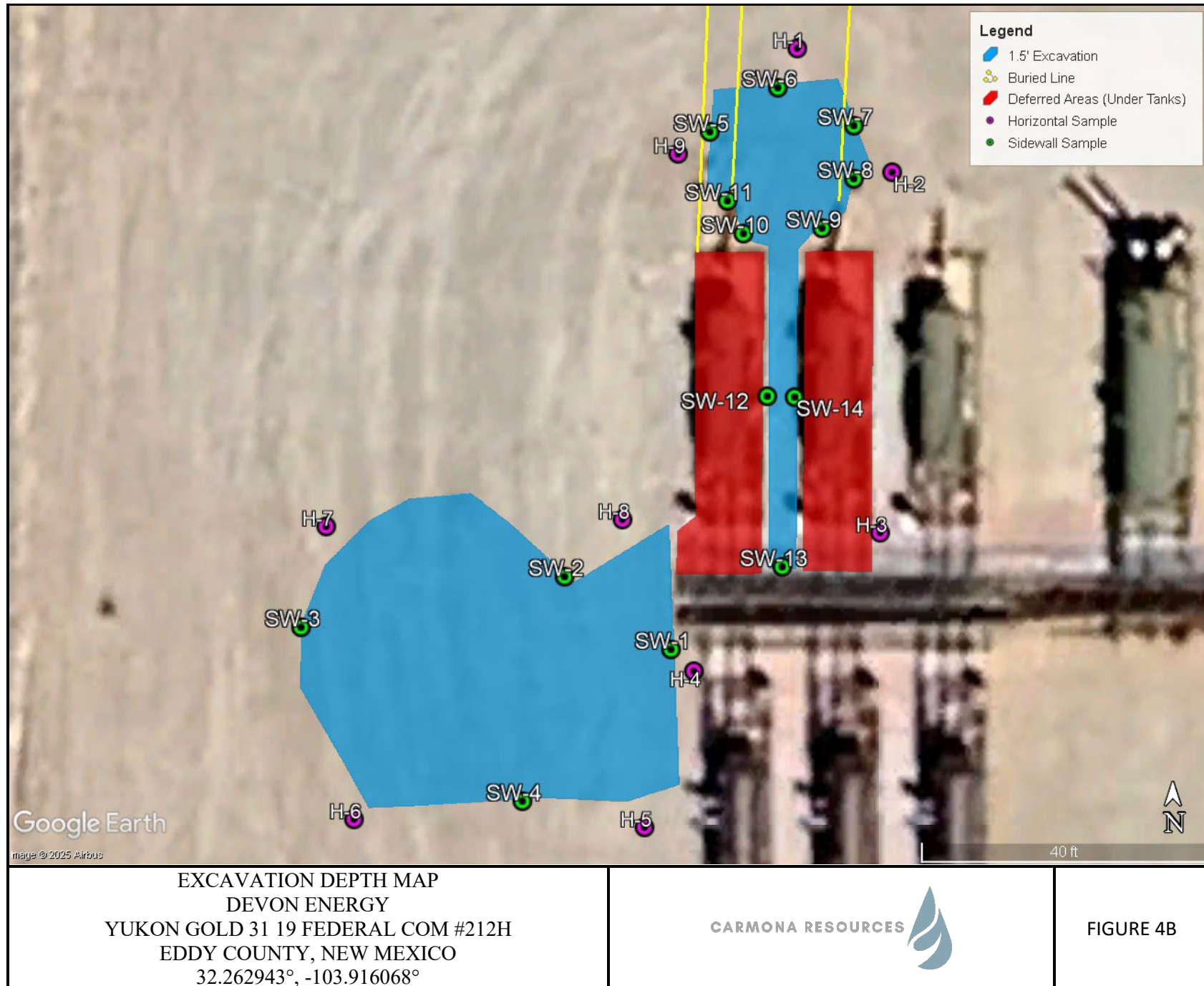
CARMONA RESOURCES

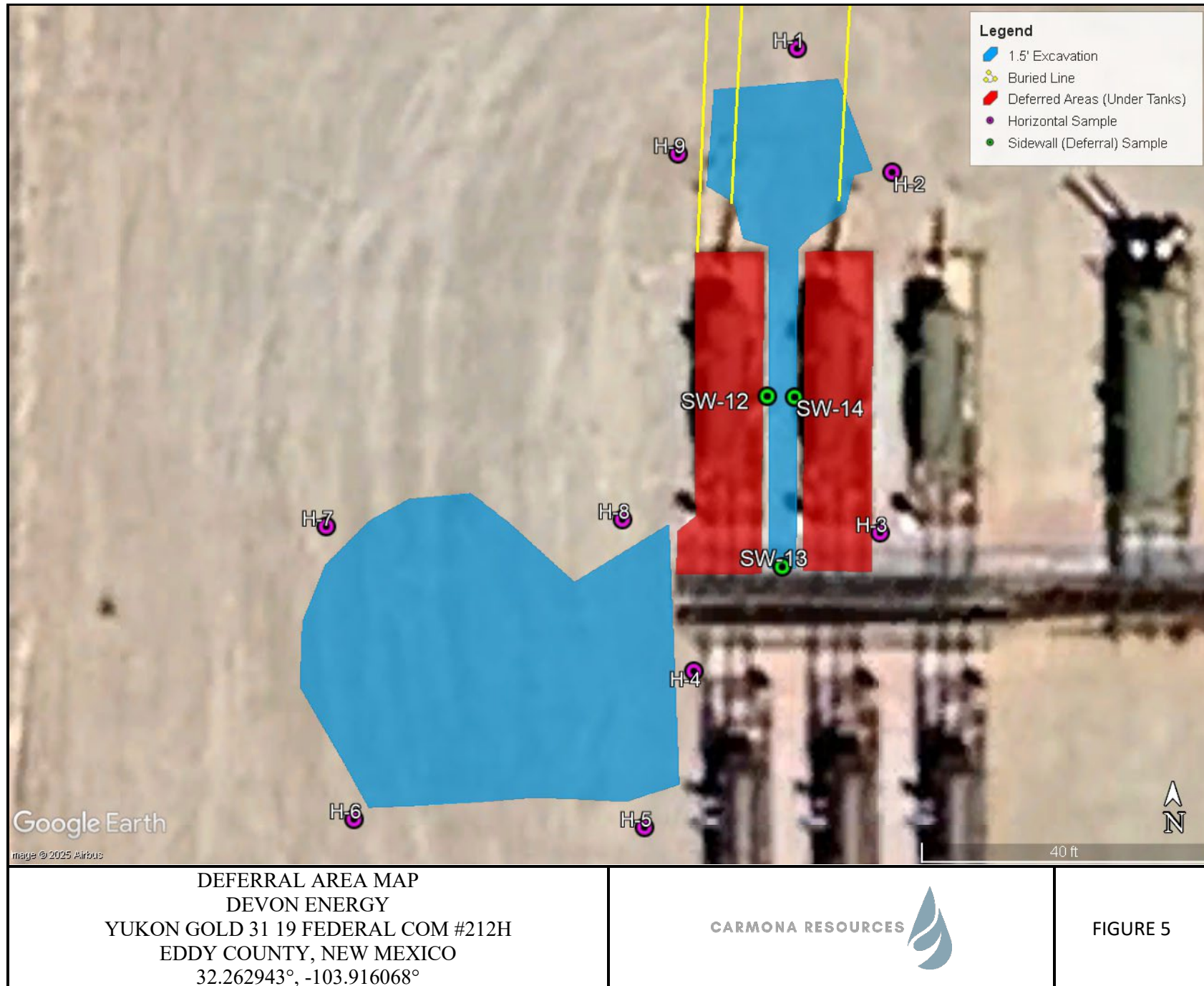


FIGURE 2









APPENDIX A

CARMONA RESOURCES



Table 1
YUKON GOLD 31 19 FEDERAL COM #212H
Devon Energy
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						
BH-1	10/10/2024	0-1.0'	<50.0	913	<50.0	913	<0.00201	<0.00201	<0.00201	0.0130	0.0130	29,400
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,800
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,090
	"	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,230
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,360
	"	10'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,910
	"	12'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	598
	"	14'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	282
	"	16'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	145
BH-2	10/10/2024	0-1.0'	<49.8	163	<49.8	163	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31,900
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,130
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,910
	"	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,500
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,900
	"	10'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	198
	"	15'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,730
	"	20'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	535
BH-3	10/10/2024	0-1.0'	<49.8	138	<49.8	138	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17,300
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,740
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,790
	"	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,810
	"	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,180
	"	10'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,370
	"	15'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,150
	"	20'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	329
BH-4	10/10/2024	0-1.0'	<49.7	111	<49.7	111	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13,300
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,830
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,390
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,160
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,040
	"	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	285
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.8
	"	10'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.6
BH-5	10/10/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	19,200
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	72.8
	"	10'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.6
	"	15'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.3
BH-5	"	16'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	34.8
	"	18'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.8
Regulatory Criteria ^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Borehole Sample

Removed

Table 1
YUKON GOLD 31 19 FEDERAL COM #212H
Devon Energy
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						
H-1	10/10/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
H-2	10/10/2024	0-1.0'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-3	10/10/2024	0-1.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-4	10/10/2024	0-1.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
H-5	10/10/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	24.3
H-6	10/10/2024	0-1.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
H-7	10/10/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
H-8	10/10/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
H-9	10/10/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Table 2
YUKON GOLD 31 19 FEDERAL COM #212H
Devon Energy
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 BTX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	4/23/2025	1.5"	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,000
CS-2	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,270
CS-3	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,230
CS-4	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,070
CS-5	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,830
CS-6	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,100
CS-7	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,710
CS-8	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CS-9	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,560
CS-10	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.7
CS-11	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.1
CS-12	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,240
CS-13	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,270
CS-14	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,880
Backfill	4/25/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

(ND) Non-Detect

Table 2
YUKON GOLD 31 19 FEDERAL COM #212H
Devon Energy
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 BTX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-2	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-3	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-4	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.7
SW-5	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-6	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-7	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-8	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-9	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-10	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-11	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-12	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,950
SW-13	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,080
SW-14	4/23/2025	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,390
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

(ND) Non-Detect

Deferral Area

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Devon Energy

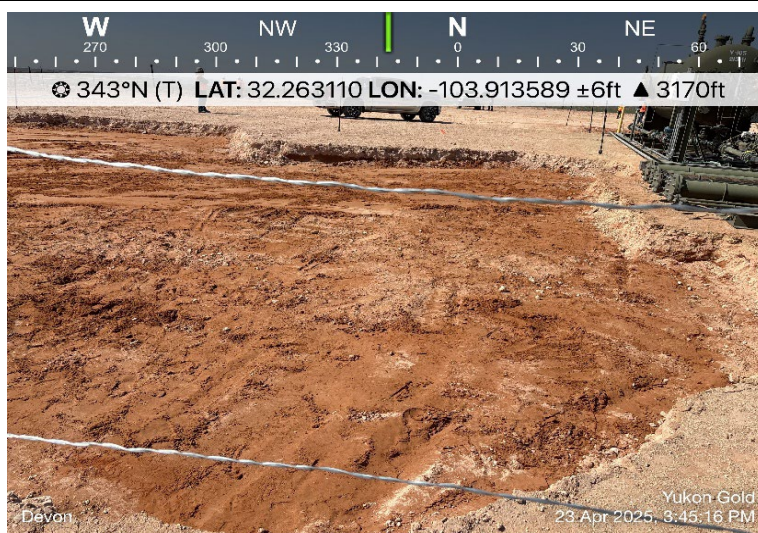
Photograph No. 1

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-9.



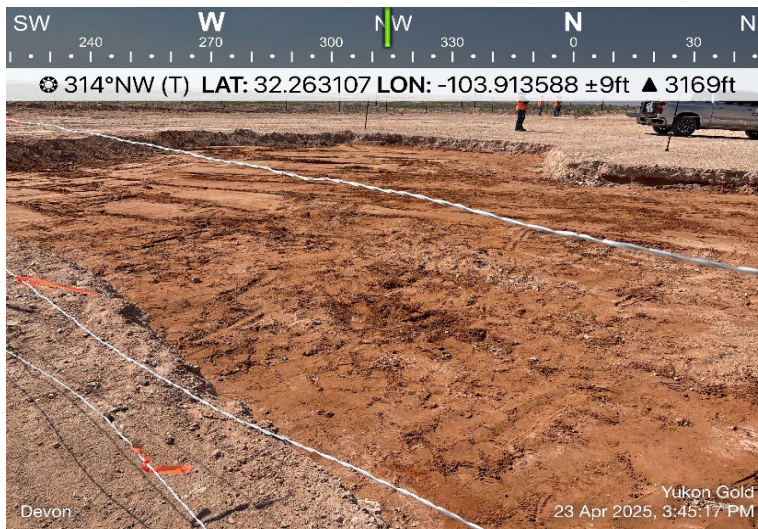
Photograph No. 2

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-1 through CS-12.



Photograph No. 3

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-1 through CS-12.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 4

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-13.



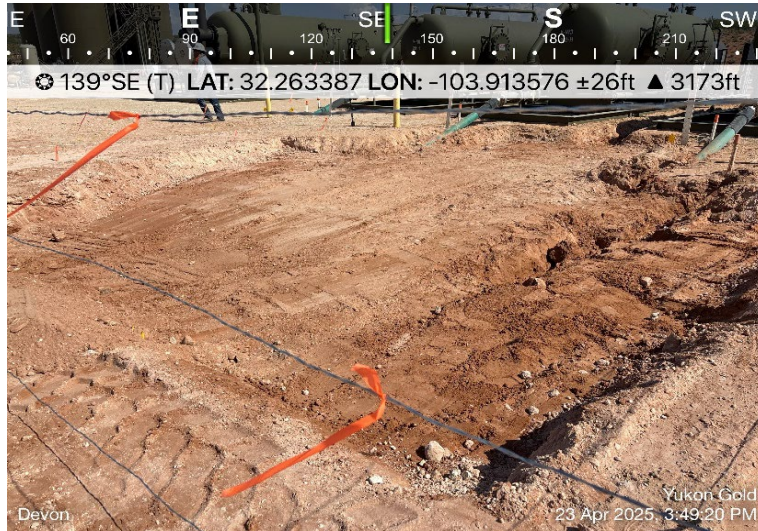
Photograph No. 5

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-13.



Photograph No. 6

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View South, area of CS-14.



PHOTOGRAPHIC LOG

Devon Energy

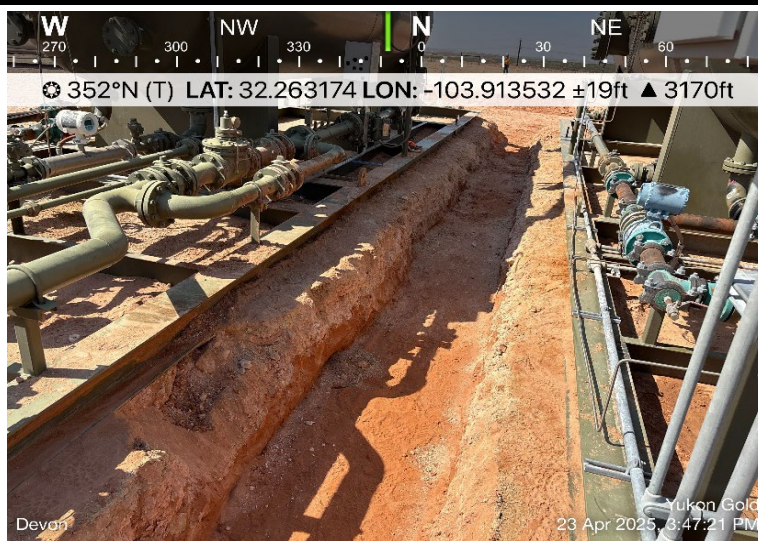
Photograph No. 7

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View North, area of CS-14.



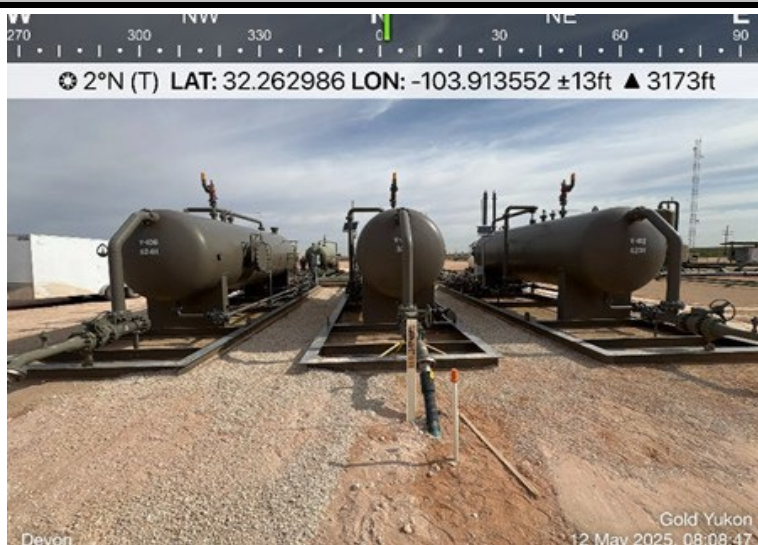
Photograph No. 8

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View North of backfilled area of CS-14



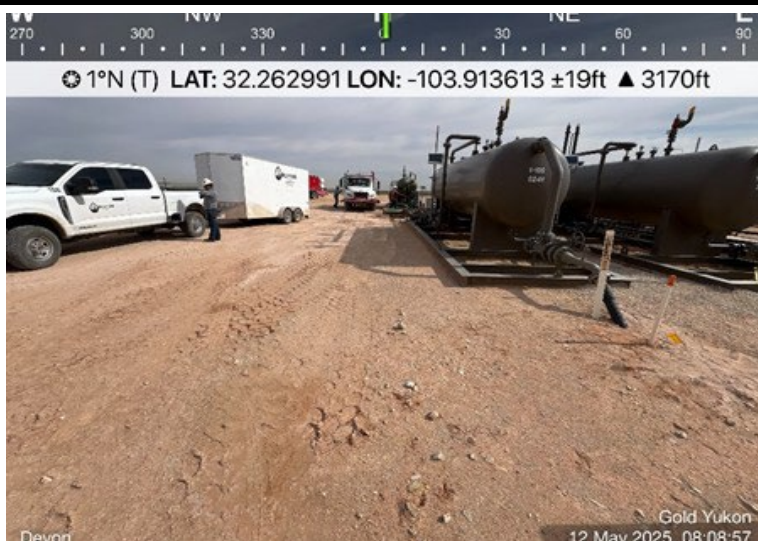
Photograph No. 9

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View North of backfilled areas of CS-1 through CS-12



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 10

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View South of backfilled areas of CS-1 through CS-12



Photograph No. 11

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View South of backfilled area of CS-13



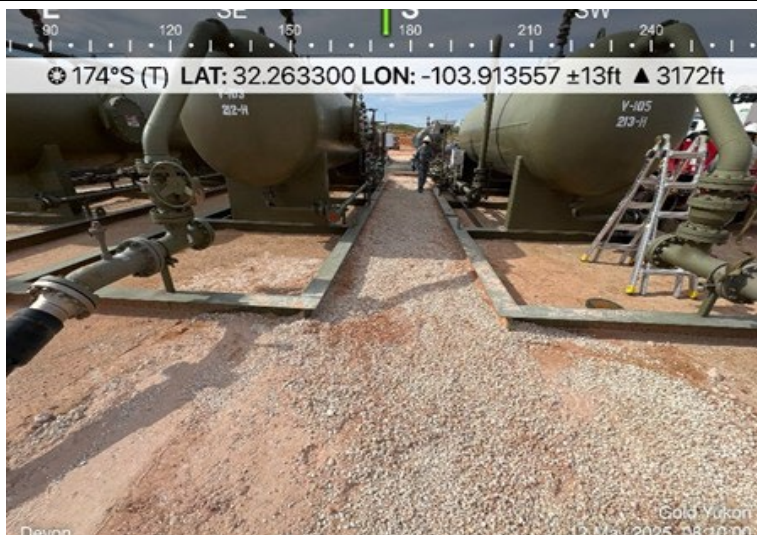
Photograph No. 12

Facility: Yukon Gold 31 19 Federal Com #212H

County: Eddy County, New Mexico

Description:

View South of backfilled area CS-14.



APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS

Action 388590

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388590
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	YUKON GOLD 31 19 FEDERAL COM #212H
Date Release Discovered	09/30/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 5 BBL Lost: 3 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)	Pinhole leak found on 3-phase water leg. well was shut in and leak was isolated. estimated 7.6 bbls spilled in skid and on the pad. 5 bbls recovered.

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 388590

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388590
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

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

ACKNOWLEDGMENTS

Action 388590

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388590
	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.

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

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

CONDITIONS

Action 388590

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388590
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/30/2024

Yukon Gold 31-19 Fed Com 212H

9/30/2024

OCD incident nAPP2427461130

Spill Volume(Bbls) Calculator	
<i>Inputs in blue , Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>2,665.00</u>	<u>0.25</u>
Cubic Feet of Soil Impacted	<u>55.52</u>
Barrels of Soil Impacted	<u>9.90</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.48</u>
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	0.74
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>2,464.00</u>	<u>0.188</u>
Standing fluid	<u>6.86</u>
<u>Total fluids spilled</u>	<u>7.60</u>

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

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

QUESTIONS

Action 388686

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388686
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427461130
Incident Name	NAPP2427461130 YUKON GOLD 31 19 FEDERAL COM #212H @ 30-015-47316
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-47316] YUKON GOLD 31 19 FEDERAL COM #212H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	YUKON GOLD 31 19 FEDERAL COM #212H
Date Release Discovered	09/30/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 5 BBL Lost: 3 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)	Pinhole leak found on 3-phase water leg. well was shut in and leak was isolated. estimated 7.6 bbls spilled in skid and on the pad. 5 bbls recovered.

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 388686

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388686
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/01/2024
--	--

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 3

Action 388686

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388686
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

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

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

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

CONDITIONS

Action 388686

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388686
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	10/1/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 452610

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452610
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427461130
Incident Name	NAPP2427461130 YUKON GOLD 31 19 FEDERAL COM #212H @ 30-015-47316
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-47316] YUKON GOLD 31 19 FEDERAL COM #212H

Location of Release Source	
Site Name	YUKON GOLD 31 19 FEDERAL COM #212H
Date Release Discovered	09/30/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.263355, -103.913565) Carmona Resources will be onsite from 04.23.2025 until 04.25.2025 and will continue into the following week to collect the remaining confirmation samples. "

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 452610

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452610
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	4/16/2025

APPENDIX D


CARMONA RESOURCES





Nearest water well


Devon Energy

Legend

 0.04 Miles

 0.50 Mile Radius

 Groundwater Determination Bore

 YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

55' GWDB - Drilled 2025

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)



Nearest water well

Devon Energy

Legend

- 0.50 Mile Radius
- 1.28 Miles
- 1.85 Miles
- 2.16 Miles
- Groundwater Determination Bore
- USGS Water Well
- YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

436.56' - Drilled 1976

105' GWDB - Drilled 2021

110' GWDB - Drilled 2020



Medium Karst

Devon Energy

Legend

- High
- Low
- Medium
- YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04526 POD1		CUB	ED	SE	NW	SE	06	24S	30E	601898.6	3568060.3		2107			
C 02486		C	ED	SW	NE	SW	19	23S	30E	601304.0	3572832.0 *		2893	350		
C 04497 POD1		CUB	ED	NW	NE	SW	04	24S	30E	604659.7	3568278.5		2976	110		
C 04597 POD5		CUB	ED	NE	NW	SE	24	23S	29E	600198.3	3572931.9		3521			
C 04597 POD4		CUB	ED	NW	NW	SE	24	23S	29E	600158.9	3572947.2		3557			
C 03908 POD3		CUB	ED	SW	NW	SW	34	23S	30E	605850.9	3569640.1		3559	463		
C 04597 POD3		CUB	ED	NW	NW	SE	24	23S	29E	600171.6	3572991.0		3585			
C 03908 POD2		CUB	ED	SW	NW	SW	34	23S	30E	605872.3	3569594.1		3587	518		
C 04597 POD2		CUB	ED	NW	NW	SE	24	23S	29E	600122.2	3572959.1		3589			
C 04597 POD1		CUB	ED	NW	NW	SE	24	23S	29E	600124.4	3573002.9		3623			
C 02108		CUB	ED		NW	SW	08	24S	30E	602702.0	3566487.0 *		3656	200	186	14

Average Depth to Water: 186 feet

Minimum Depth: 186 feet

Maximum Depth: 186 feet

Record Count: 11

UTM Filters (in meters):

Easting: 602324.00

Northing: 3570124.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4913			
	WELL OWNER NAME(S) Devon Production Co. LP.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 45.26	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	54	49.73	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S31 T23s R30e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 4-1-25	DRILLING ENDED 4-1-25	DEPTH OF COMPLETED WELL (FT) 55'		BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4-7-25	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	55'	5'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0'	5'	5'	Topsoil	Y ✓ N	
	5'	15'	10'	Brown Sand	Y ✓ N	
	15'	55'	40'	Red Sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DTGW Bore					0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 4-7-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER	James Hawley PRINT SIGNEE NAME
		4-7-25 DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4913 POD1

Well owner: Devon Production CO. LP.

Phone No.: _____

Mailing address: 5315 Buena Vista Dr.

City: Carlsbad

State: NM

Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 4-7-25 Date well plugging concluded: 4-7-25
- 5) GPS Well Location: Latitude: 32 deg, 15 min, 45.26 sec
Longitude: 103 deg, 54 min, 49.73 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55' ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11-15-24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

4-7-25
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4526			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 14'	SECONDS 42.15" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103°	55'	6.20" W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE Sec. 06 T24S R30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 05/14/2021		DRILLING ENDED 05/14/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4526	POD NO.	1	TRN NO.	692109
LOCATION	Expl	24S.30E.6.414	WELL TAG ID NO.	0310105102021	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	SAND, poorly graded, fine-very grained, Reddish-brown, dry	Y ✓ N	
	4	12	8	CALICHE, poorly-mod. consolidated, tan-off white, dry	Y ✓ N	
	12	19	7	SAND, poorly graded, fine-very grained, some caliche gravel, Tan, dry	Y ✓ N	
	19	24	5	SAND, poorly graded, fine-very grained, some caliche gravel, Light- Brown, dry	Y ✓ N	
	24	72	48	SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	72	92	20	SAND, poorly graded, fine-very grained, some silt, Reddish Brown, moist	Y ✓ N	
	92	102	10	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	102	105	3	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	<i>Jack Atkins</i> Jackie D. Atkins				06/09/2021	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. <i>C-4526</i>	POD NO. <i>1</i>	TRN NO. <i>692109</i>
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

OSE 07 JUN 10 2021 10:21:47



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTJ JAN 28 2021 PM 4:24

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4497			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 14'	SECONDS 46.69" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE -103°	53'	20.46" W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SW Sec. 4 T24S R30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 12/28/2020		DRILLING ENDED 12/28/2020		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±8.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4497	POD NO.	1	TRN NO.	682526
LOCATION	231	T24S Sec 4	R30E	WELL TAG ID NO.	NA
					PAGE 1 OF 2

DSE DTJ JAN 28 2021 PM 4:24

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	1.5	1.5	CALICHE, poor-moderate consolidation, few sand, fine grain, light brown, dry	Y ✓ N	
	1.5	5	3.5	SAND, well graded, fine grain, few gravel, sub angular, 2-8mm. Red/brown, dry	Y ✓ N	
	5	16	11	SAND, fine grain, poorly graded, few gravel, some clay, red/brown, moist	Y ✓ N	
	16	85	69	SAND, well graded, large grain, little clay, noncohesive,, red/brown, moist	Y ✓ N	
	85	--	--	SANDSTONE, very poorly consolidated, medium-fine grain, well graded,	Y ✓ N	
	--	105	20	few caliche gravel, sub angular, 1.5-7mm, light brown - almond brown, moist	Y ✓ N	
	105	--	--	SANDSTONE, highly consolidated, medium-fine grain, poorly graded,	Y ✓ N	
	--	110	5	few clay, low plasticity, noncohesive, light brown-almond brown, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	<i>Jackie D. Atkins</i> SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE: 01/15/2021

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4497	POD NO. 1	TRN NO. 682526
LOCATION 231 T245 Sec 4 R30E	WELL TAG ID NO. NA	PAGE 2 OF 2

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 682526
File Nbr: C 04497
Well File Nbr: C 04497 POD1

Feb. 05, 2021

TACOMA MORRISSEY
WSP USA
3300 NORTH A STREET
BLDG 1 #222
MIDLAND, TX 79705

Greetings:

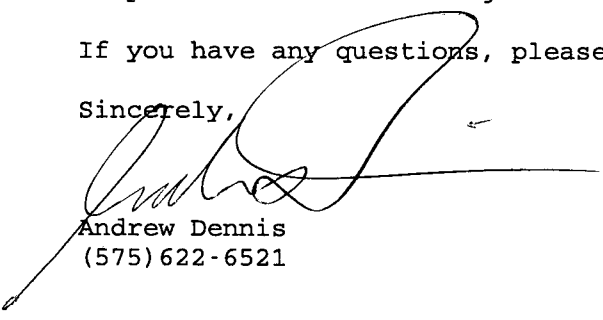
The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 01/28/2021, stating that it had been completed on 12/28/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Sincerely,


Andrew Dennis
(575) 622-6521

drywell

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 =

- 321542103522801

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

USGS 321542103522801 23S.30E.34.133144 USGS-4

Eddy County, New Mexico
Latitude 32°15'45.42", Longitude 103°52'36.09" NAD83
Land-surface elevation 3,413 feet above NAVD88
The depth of the well is 518 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
1961-12-12			D 62610		2977.68	NGVD29	1	Z			A
1961-12-12			D 62611		2979.38	NAVD88	1	Z			A
1961-12-12			D 72019	433.62			1	Z			A
1962-05-10			D 62610		2978.11	NGVD29	1	Z			A
1962-05-10			D 62611		2979.81	NAVD88	1	Z			A
1962-05-10			D 72019	433.19			1	Z			A
1962-07-31			D 62610		2978.13	NGVD29	1	Z			A
1962-07-31			D 62611		2979.83	NAVD88	1	Z			A
1962-07-31			D 72019	433.17			1	Z			A
1962-08-08			D 62610		2978.13	NGVD29	1	Z			A
1962-08-08			D 62611		2979.83	NAVD88	1	Z			A
1962-08-08			D 72019	433.17			1	Z			A
1963-03-10			D 62610		2977.80	NGVD29	1	Z			A
1963-03-10			D 62611		2979.50	NAVD88	1	Z			A
1963-03-10			D 72019	433.50			1	Z			A
1972-09-25			D 62610		2977.39	NGVD29	1	Z			A
1972-09-25			D 62611		2979.09	NAVD88	1	Z			A
1972-09-25			D 72019	433.91			1	Z			A
1976-12-14			D 62610		2974.74	NGVD29	1	Z			A
1976-12-14			D 62611		2976.44	NAVD88	1	Z			A
1976-12-14			D 72019	436.56			1	Z			A

Explanation		
Section	Code	Description

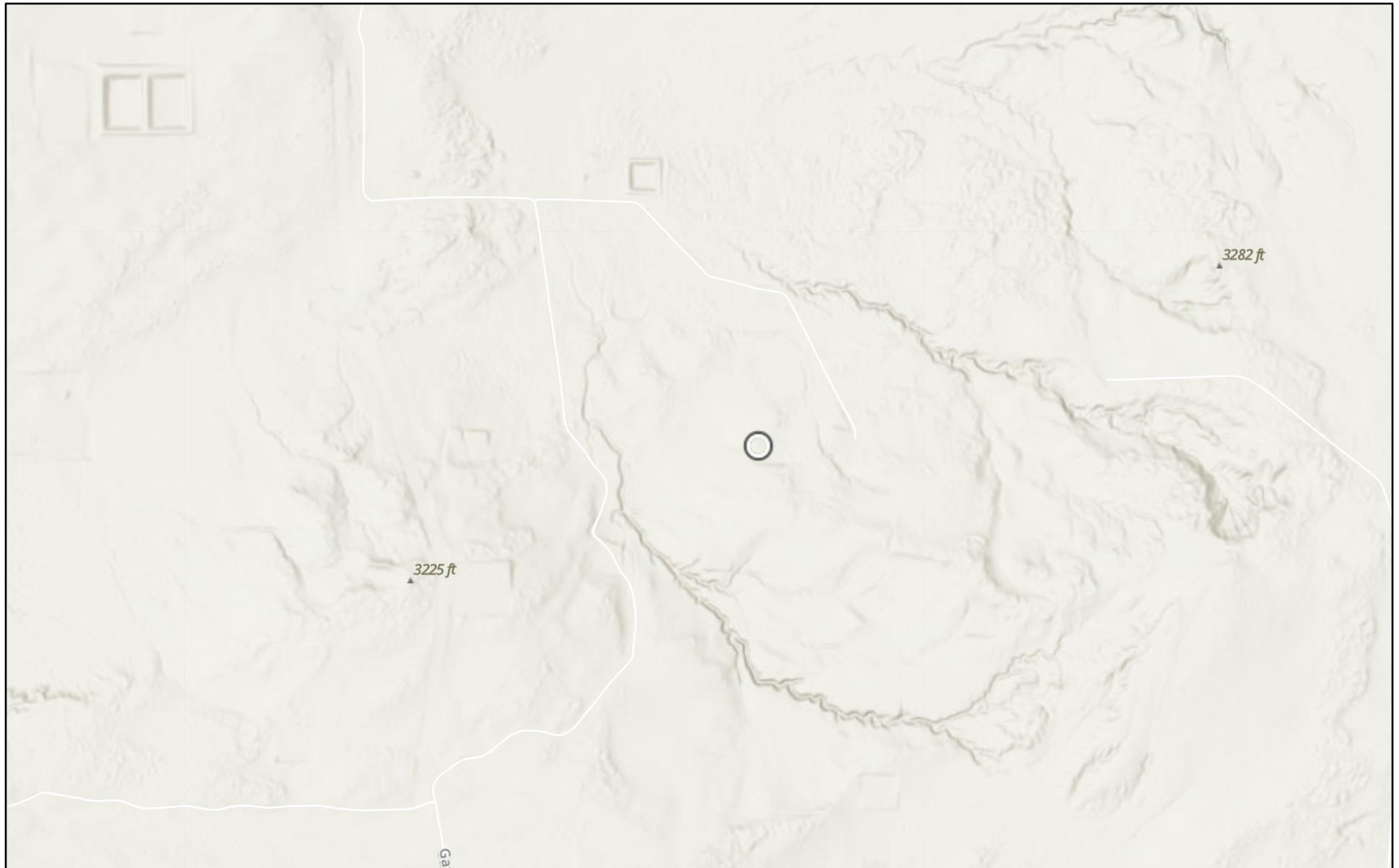
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho meast
Referenced vertical datum			NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum			NGVD29	National Geodetic Vertical Datum of 1929				
Status			1	Static				
Method of measurement			Z	Other.				
Measuring agency				Not determined				
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 10:45:10 EDT
0.31 0.23 nadww01

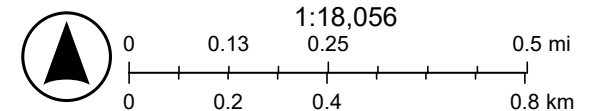


YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)



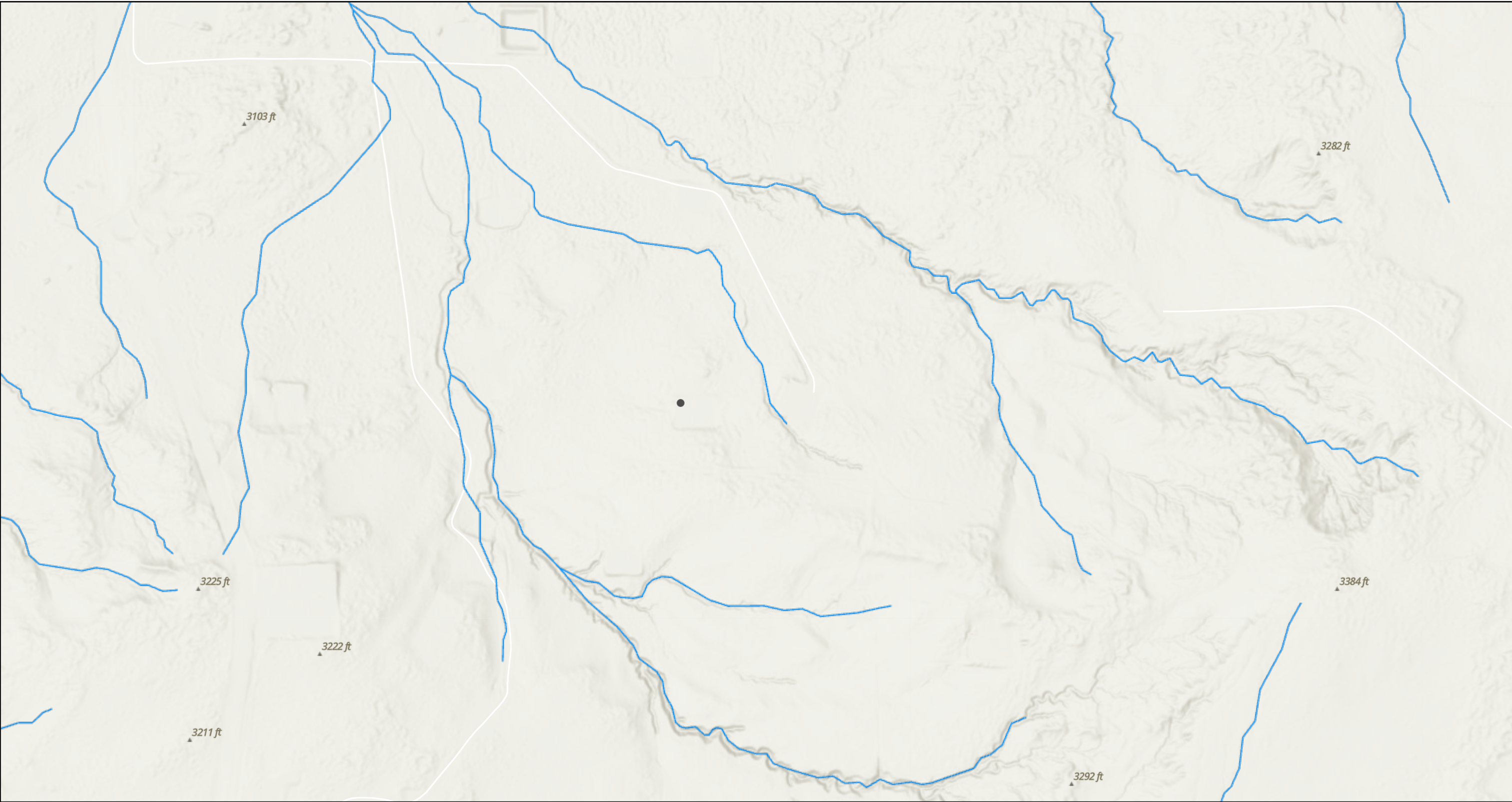
10/2/2024

World Hillshade



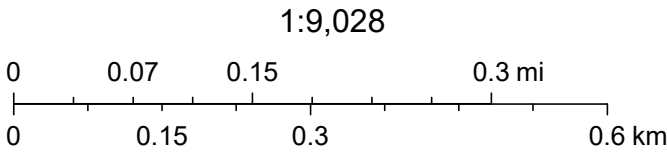
Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom,

YUKON GOLD 31 19 FEDERAL COM #212H (09.30.2024)

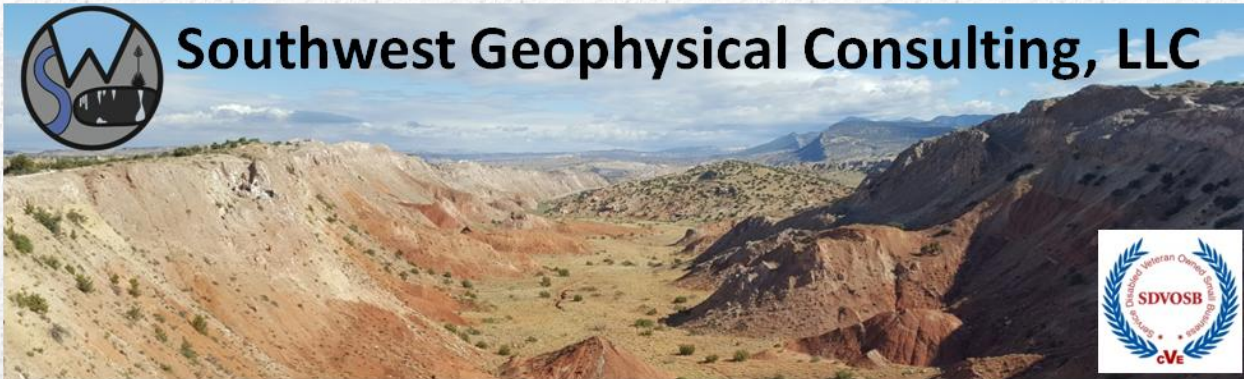


10/2/2024, 9:35:39 AM

— OSE Streams



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,



Environmental Karst Study Report Yukon Gold 31 19 Federal Com #212 Eddy County, New Mexico

**Prepared For:
Carmona Resources
310 W Wall Street, Suite 500
Midland, TX 79701**

- ☐ Positive within 200 feet of spill delineation boundary
- ☒ Negative within 200 feet of spill delineation boundary
- ☒ Stable ☐ Unstable Ground
- ☐ Karst Monitor Recommended

February 21, 2025

CARM-001-20241105

©2025 – Southwest Geophysical Consulting, LLC. All rights reserved.

Published by:

Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
(505) 585-2550
www.swgeophys.com

Prepared by:

Garrett Jorgensen Olague
Senior Field Geologist
garrett@swgeophys.com

Reviewed by:

David Decker, PhD, PG, CPG
CEO, Principal Geologist
dave@swgeophys.com

Prepared for:

Carmona Resources
310 West Wall Street, Suite 500
Midland TX, 79701

Ashton Thielke
(281) 753-5659
thielkea@carmonaresources.com

MMXXV

TABLE OF CONTENTS

FRONT MATTER..... i

TABLE OF CONTENTS.....ii

LIST OF FIGURES.....iii

LIST OF TABLES.....iii

1.0 INTRODUCTION..... 1

 1.1 Goals of this Study..... 1

 1.2 Summary of Findings..... 1

 1.3 Affected Environment..... 1

 1.4 Limitations of Report..... 3

2.0 LOCATION AND DESCRIPTION OF STUDY AREA..... 4

 2.1 Description of Site..... 4

 2.2 Local Geology Summary..... 5

 2.3 Description of Survey..... 6

 2.3.1 Surface Karst Inventory 6

 2.3.2 Geophysical Survey..... 8

3.0 RESULTS..... 10

 3.1 Surface Karst Survey..... 10

 3.2 Geophysical Survey..... 10

4.0 DISCUSSION..... 12

5.0 SUMMARY..... 14

6.0 DISCLOSURE STATEMENT 14

7.0 REFERENCES..... 16

8.0 GLOSSARY OF TERMS..... 18

9.0 ATTESTATION 20

LIST OF FIGURES

Figure 1: Karst occurrence zone overview..... 2

Figure 2: Land ownership and PLSS overview..... 4

Figure 3: Geology overview 5

Figure 4: Surface survey overview 6

Figure 5: Geophysical survey overview 8

Figure 6: Aerial karst survey results..... 10

Figure 7: 2D inverted resistivity section 11

Figure 8: Data overlay 13

LIST OF TABLES

Table 1: Survey Line Data Table 9

Table 2: Software Information and Settings..... 9

1.0 INTRODUCTION

This report was commissioned by Carmona Resources (hereinafter referred to as "the client"), on November 5, 2024, for the purpose of conducting an environmental karst study within an area encompassing the Yukon Gold 31 19 Federal Com #212 release site (hereinafter termed "YG31") centered at N 32.765001° W 104.282459°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within the spill boundary of the Yukon Gold 31 19 Federal Com #212 release using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary.**
- **No anomalies consistent with air-filled voids are located within the YG31 resistivity survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**

1.3 Affected Environment

The YG31 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within both a **HIGH** karst occurrence zone (HKOZ) and a **MEDIUM** karst occurrence zone (MKOZ)^[5] (**Figure 1**).

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff^[4].

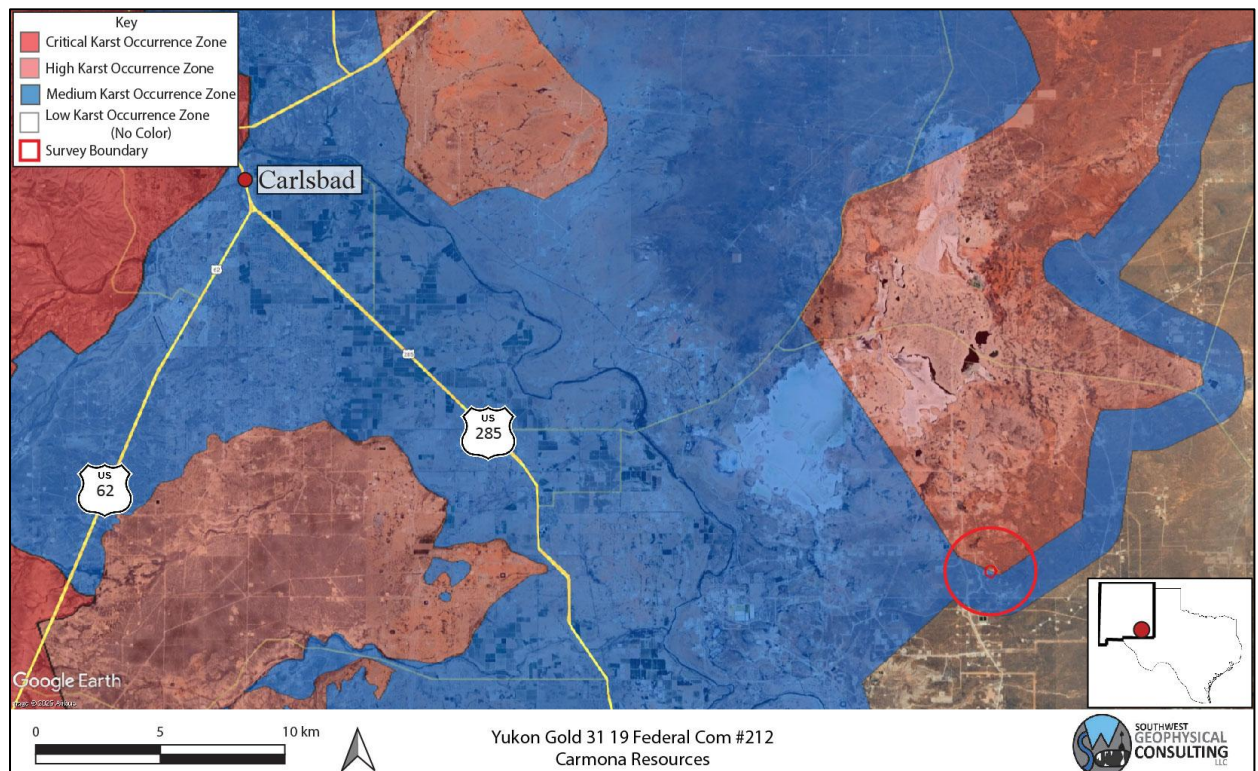


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

Due to the rapidity with which evaporite karst develops, each location within a CKOZ or HKOZ must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Carmona Resources in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond three years past the dates of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 34.3 kilometers (21.3 miles) southeast of Carlsbad, New Mexico, east of Rawhide and Gavilan Roads. The release area is located within the northeast $\frac{1}{4}$ section of section 31, NM T23S R30E^[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within both an HKOZ and MKOZ^[5] (**Figure 1**) and entirely within BLM-CFO managed land^[10] (**Figure 2**).

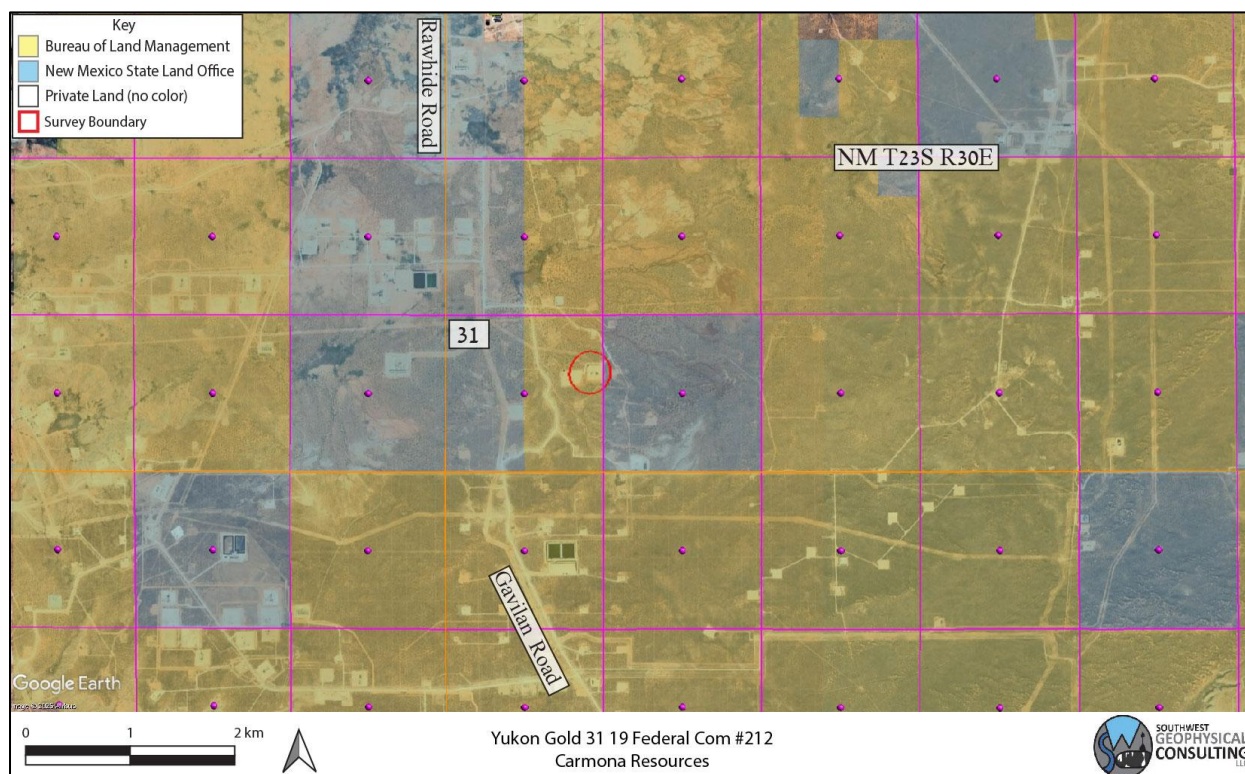


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the YG31 survey is located east of Nash Draw at an elevation of 967 meters (3,173 feet), ± 15 meters (49.2 feet). This region is entirely underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary eolian deposits (Qe), and piedmont gravels (Qp)^[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)^[12].

The Pru overlies the Permian Salado Formation (Psl), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[11] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[14].

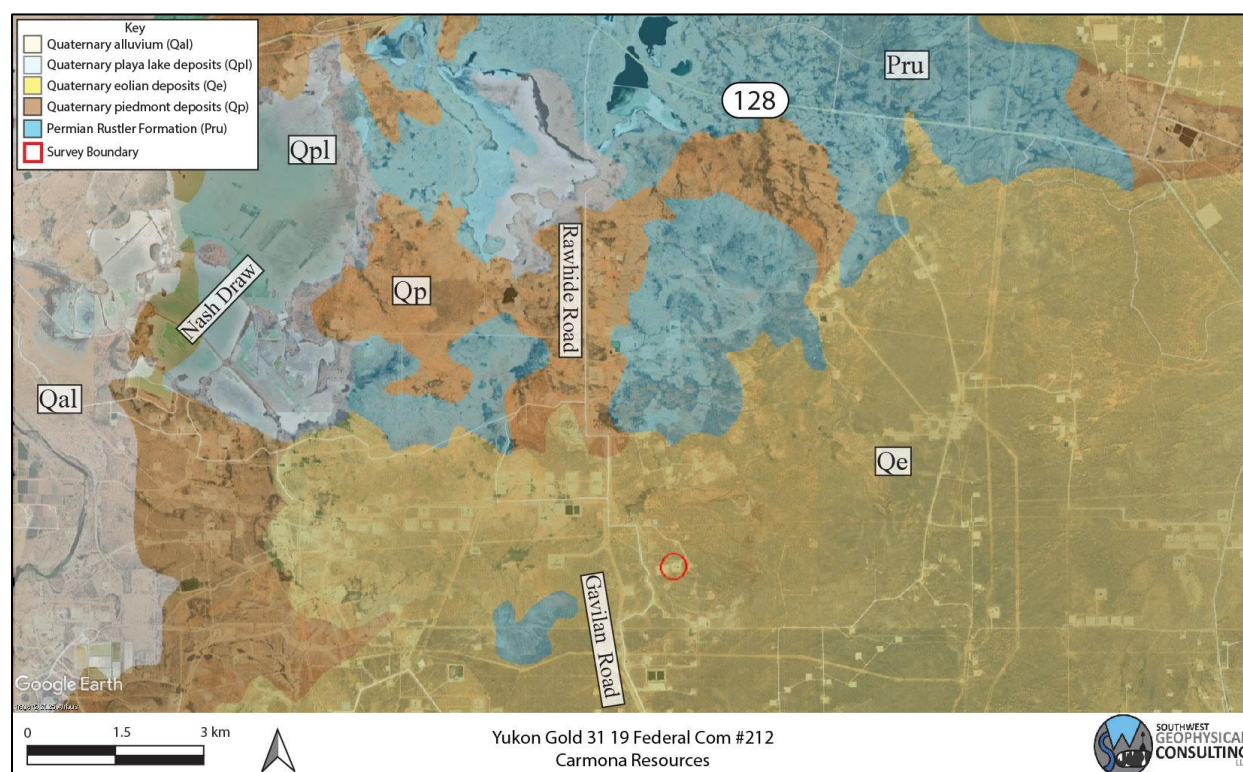


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Inventory

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The aerial karst survey includes a surface karst desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated December 23, 2024^[15]; the Remuda Basin, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

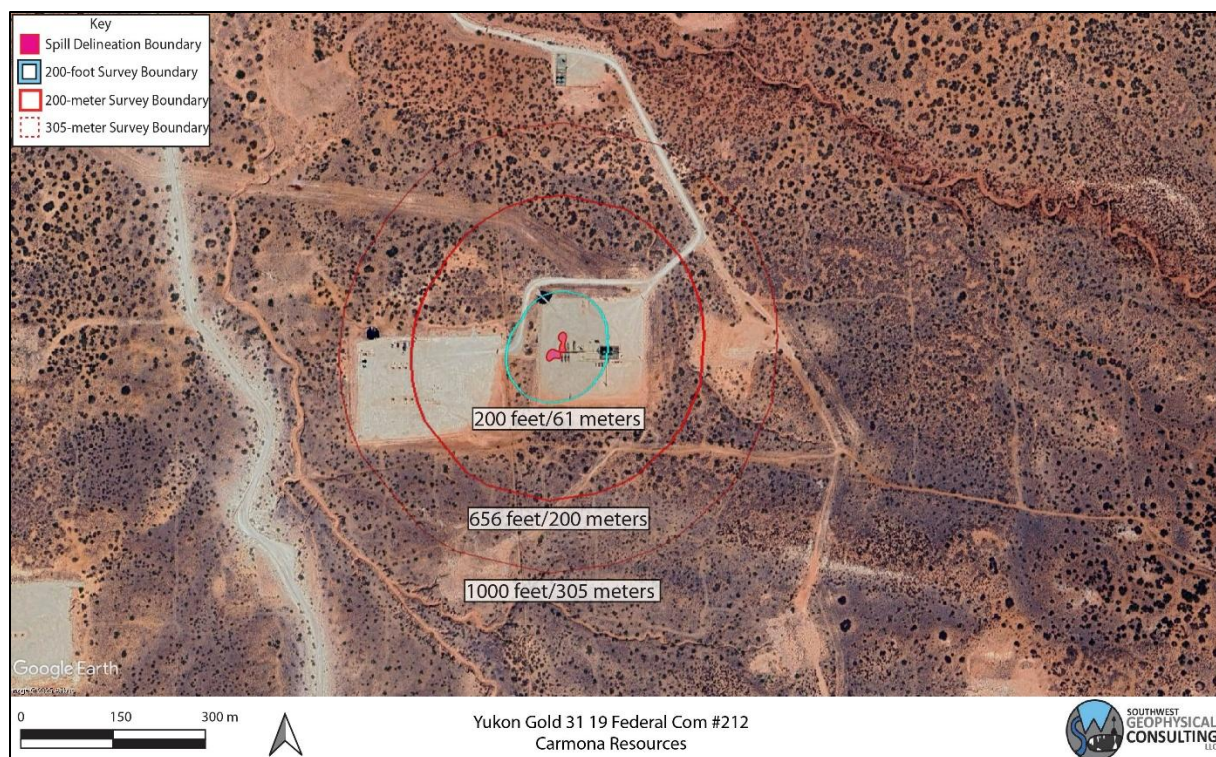


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: August 21, 2024. Datum: WGS-84.

Aerial karst surveys are conducted at low elevation within 200 meters of the spill delineation boundary^[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[16].

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on November 18, 2024. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on December 2, 2024.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 56-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of one resistivity line in a dipole-dipole strong-gradient configuration laid out south to north. The single line consisted of 56 electrodes at 4-meter spacing, resulting in a 220-meter-long array (**Figure 5, Table 1**). A preconfigured command file was used to run the data collection (DDSG56). This electrode configuration provided a depth of investigation of 44 meters (144 feet) and a resolution of 2.0 to 2.5 meters (6.6 to 8.2 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

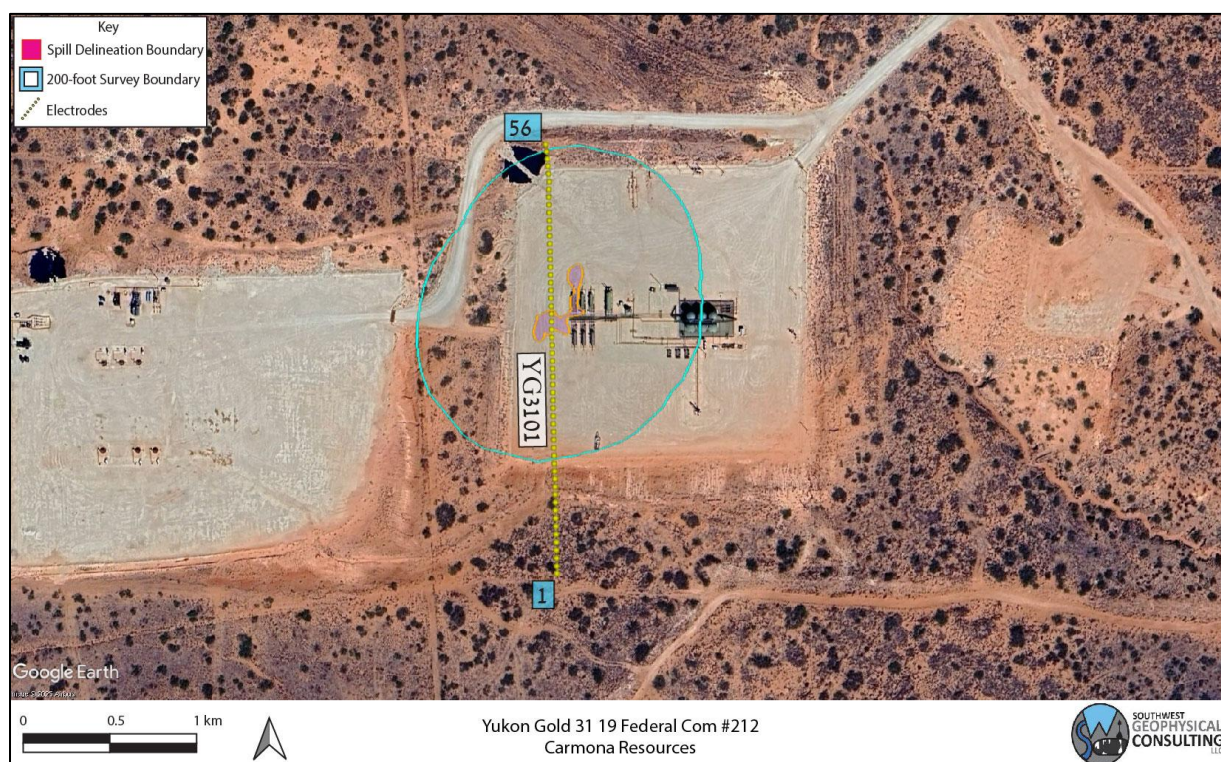


Figure 5: Geophysical survey overview. One survey line was conducted with 56 electrodes each at 4-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/ longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files YG31_ERI_Points.xlsx and CARM-001-20241105_YG31_Data_Files.kmz.

File Name:	Completed By:	Date:
YG3101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Steven Kesler – Field Geologist	1/27/2025

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of “stable” or “unstable” ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was “average apparent resistivity” and a default inversion setting of “surface,” with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 k Ω -m Min Apparent Resistivity = 0.1 Ω -m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Steven Kesler on January 27, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)^[1] survey area surrounding the spill delineation boundary (Figure 6). No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

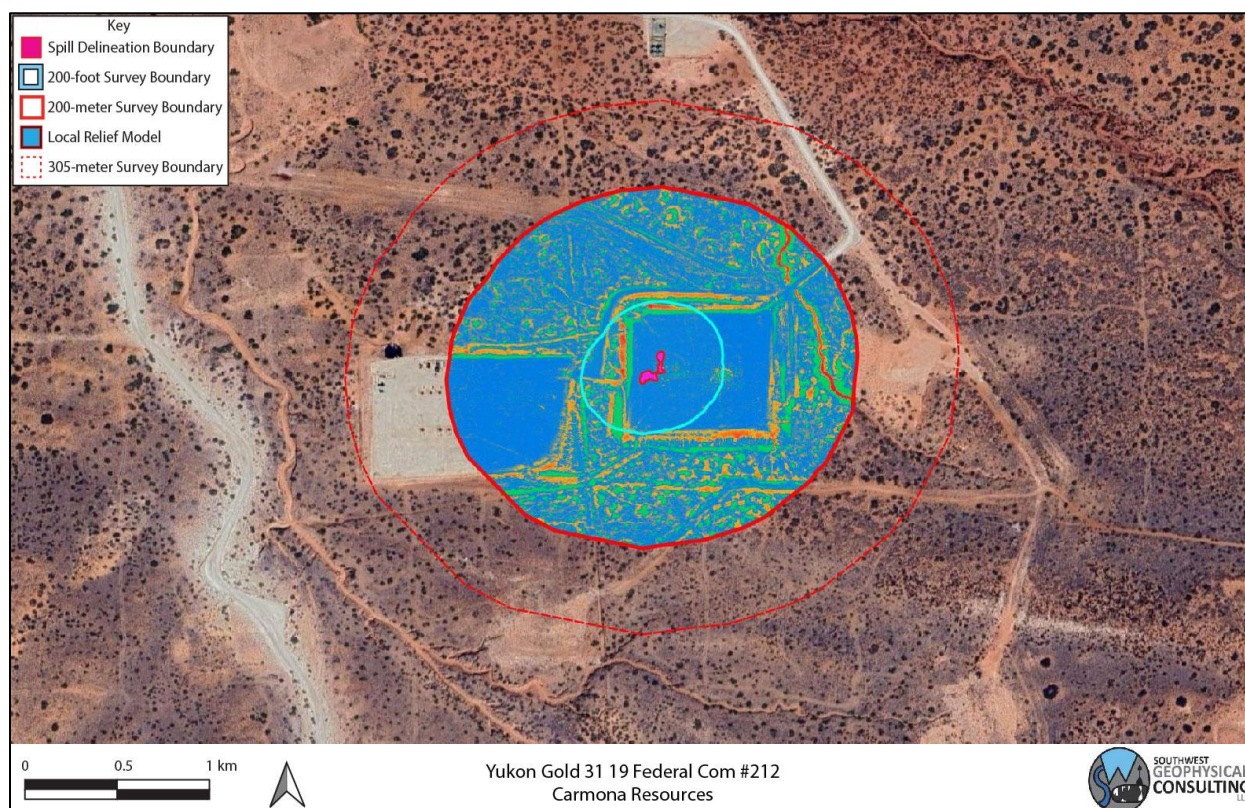


Figure 6: Aerial karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-

active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with resistivities between 3.3 and 1,572 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

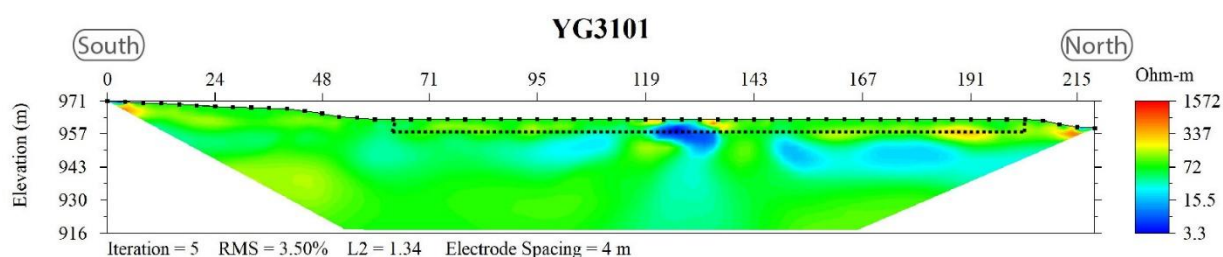


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative. The dashed black line indicates the location of the well pad.

4.0 DISCUSSION

No anomalies consistent with air-filled subsurface voids are found within the YG31 survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (1.5 – 2.0 meters) may be present. Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as dry gypsite soils and gypsum bedrock of the Rustler Formation^[17] (**Figure 7** and **Figure 8**).

The low-resistivity area between 3.3 – 15 Ohm-m is interpreted to represent fluid from the brine release. Other low resistivity areas between 15 and 50 may represent surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation. (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities that require excavation below four feet in depth should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.0 – 2.5 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

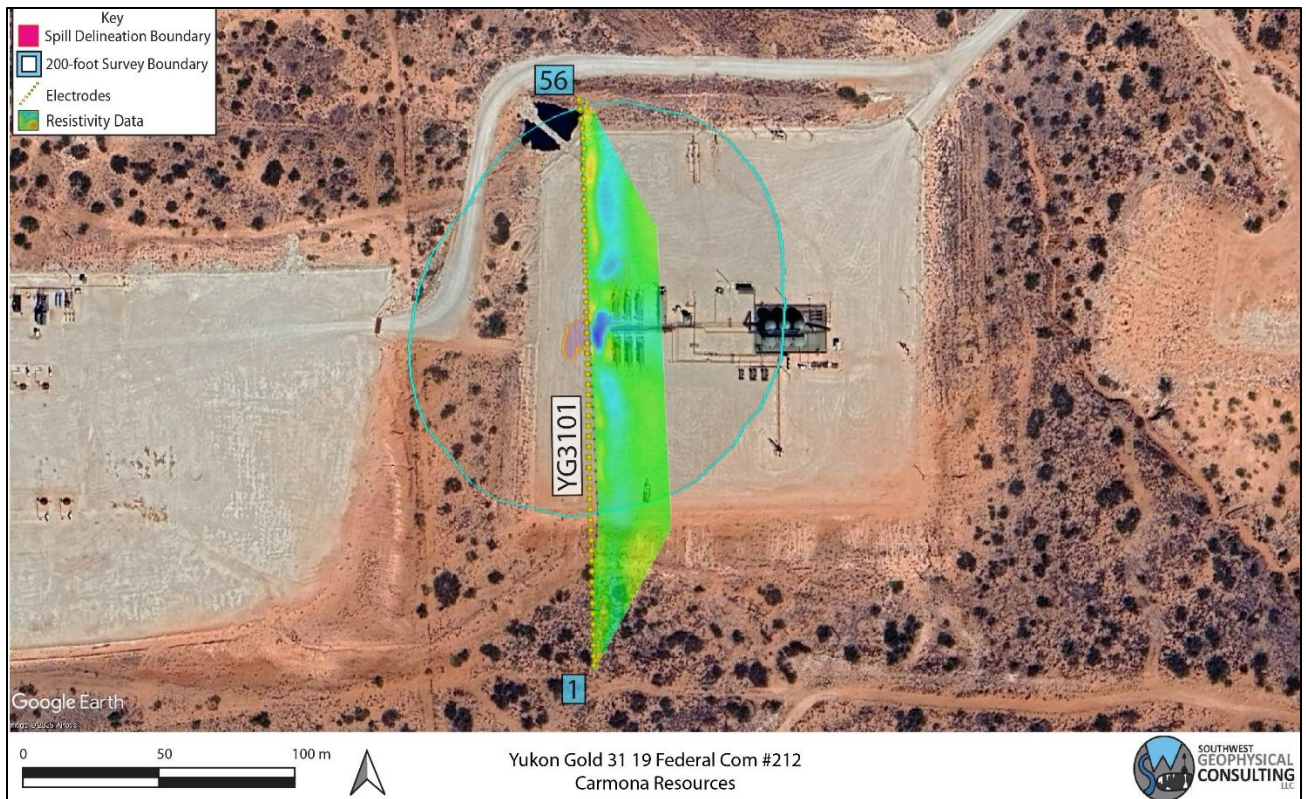


Figure 8: Data overlay. Colored trapezoid is the 2D inverted resistivity line. Background image credit: Google Earth. Image date: March 20, 2023.

5.0 SUMMARY

- **The YG31 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

High karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

7.0 REFERENCES

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
- 2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).
- 3 Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
- 4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).
- 5 Decker, D., Trautner, E. & Palmer, R. (Bureau of Land Management - Carlsbad Field Office, 2025).
- 6 Earthpoint. *Earthpoint Tools for Google Earth*, <<https://www.earthpoint.us/Townships.aspx>> (2022).
- 7 Decker, D. D., Land, L. & Luke, B. Characterization of Playa Lakes in the Gypsum Karst of Southeastern New Mexico and West Texas, USA. *Oklahoma Geological Survey Circular 113 113* (2021).
- 8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, (2010).
- 9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).
- 10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).
- 11 Scholle, P. A. *Geologic Map of New Mexico*. (2003).
- 12 Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- 13 Johnson, K. S. Evaporite Karst in the United States. *Carbonates and Evaporites* **12**, 2-14 (1997).
- 14 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <<https://mrdata.usgs.gov/geology/state/state.php?state=NM>> (1997).
- 15 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).

- 16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).
- 17 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω -m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

PdI	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed," meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

Southwest Geophysical Consulting, LLC

5117 Fairfax Dr. NW

Albuquerque, NM 87114

dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number CARM-001-20241105 entitled, “Environmental Karst Study Report, Yukon Gold 31 19 Federal Com #212, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, February 23, 2025.



David D. Decker
PhD, CPG-12123



APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/15/2024 4:08:57 PM

JOB DESCRIPTION

Yukon Gold 31-19 Fed Com 212H
Eddy County, NM

JOB NUMBER

880-49694-1

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
10/15/2024 4:08:57 PM

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

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Laboratory Job ID: 880-49694-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	20
Lab Chronicle	23
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1

Job ID: 880-49694-1

Eurofins Midland

Job Narrative 880-49694-1

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 10/11/2024 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1.0') (880-49694-1), H-2 (0-1.0') (880-49694-2), H-3 (0-1.0') (880-49694-3), H-4 (0-1.0') (880-49694-4), H-5 (0-1.0') (880-49694-5), H-6 (0-1.0') (880-49694-6), H-7 (0-1.0') (880-49694-7), H-8 (0-1.0') (880-49694-8) and H-9 (0-1.0') (880-49694-9).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-93140 and analytical batch 880-93171 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93208 and analytical batch 880-93209 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93208/2-A) and (LCSD 880-93208/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-6 (0-1.0') (880-49694-6), H-7 (0-1.0') (880-49694-7), H-8 (0-1.0') (880-49694-8), H-9 (0-1.0') (880-49694-9), (LCS 880-93129/2-A) and (LCSD 880-93129/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-1 (0-1.0')

Lab Sample ID: 880-49694-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/11/24 16:04	10/14/24 12:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 16:04	10/14/24 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/24 15:10	10/14/24 13:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/24 15:10	10/14/24 13:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/24 15:10	10/14/24 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/14/24 15:10	10/14/24 13:25	1
o-Terphenyl	87		70 - 130	10/14/24 15:10	10/14/24 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/14/24 14:34	1

Client Sample ID: H-2 (0-1.0')

Lab Sample ID: 880-49694-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 13:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 13:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/11/24 16:04	10/14/24 13:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/11/24 16:04	10/14/24 13:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-2 (0-1.0')

Lab Sample ID: 880-49694-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/14/24 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/14/24 15:10	10/14/24 15:38	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/14/24 15:10	10/14/24 15:38	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/14/24 15:10	10/14/24 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/14/24 15:10	10/14/24 15:38	1
o-Terphenyl	89		70 - 130				10/14/24 15:10	10/14/24 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			10/14/24 16:35	1

Client Sample ID: H-3 (0-1.0')

Lab Sample ID: 880-49694-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 13:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 13:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 13:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/24 16:04	10/14/24 13:24	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/11/24 16:04	10/14/24 13:24	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			10/14/24 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/14/24 15:54	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	<50.5	U	50.5		mg/Kg		10/14/24 15:10	10/14/24 15:54	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/14/24 15:10	10/14/24 15:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-3 (0-1.0')

Lab Sample ID: 880-49694-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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)	<50.5	U	50.5		mg/Kg		10/14/24 15:10	10/14/24 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/14/24 15:10	10/14/24 15:54	1
o-Terphenyl	92		70 - 130				10/14/24 15:10	10/14/24 15:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			10/14/24 14:43	1

Client Sample ID: H-4 (0-1.0')

Lab Sample ID: 880-49694-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 13:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:04	10/14/24 13:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:04	10/14/24 13:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:04	10/14/24 13:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:04	10/14/24 13:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:04	10/14/24 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/24 16:04	10/14/24 13:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/11/24 16:04	10/14/24 13:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/14/24 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/14/24 16:10	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	<50.3	U	50.3		mg/Kg		10/14/24 15:10	10/14/24 16:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/14/24 15:10	10/14/24 16:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/14/24 15:10	10/14/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/14/24 15:10	10/14/24 16:10	1
o-Terphenyl	93		70 - 130				10/14/24 15:10	10/14/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/14/24 14:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-5 (0-1.0')

Lab Sample ID: 880-49694-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 14:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 16:04	10/14/24 14:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 16:04	10/14/24 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/24 16:04	10/14/24 14:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/11/24 16:04	10/14/24 14:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/14/24 14:05	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			10/14/24 16:26	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		10/14/24 15:10	10/14/24 16:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/24 15:10	10/14/24 16:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/24 15:10	10/14/24 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/14/24 15:10	10/14/24 16:26	1
o-Terphenyl	88		70 - 130				10/14/24 15:10	10/14/24 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3		10.1		mg/Kg			10/14/24 15:12	1

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49694-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 14:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 16:04	10/14/24 14:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:04	10/14/24 14:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 16:04	10/14/24 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/24 16:04	10/14/24 14:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/11/24 16:04	10/14/24 14:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49694-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/14/24 15:23	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	<49.7	U	49.7		mg/Kg		10/11/24 15:41	10/14/24 15:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:41	10/14/24 15:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 15:41	10/14/24 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/11/24 15:41	10/14/24 15:23	1
o-Terphenyl	64	S1-	70 - 130				10/11/24 15:41	10/14/24 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			10/14/24 15:19	1

Client Sample ID: H-7 (0-1.0')

Lab Sample ID: 880-49694-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 14:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 14:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 14:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 14:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 14:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/24 16:04	10/14/24 14:46	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/11/24 16:04	10/14/24 14:46	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			10/14/24 14:46	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			10/14/24 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 15:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-7 (0-1.0')

Lab Sample ID: 880-49694-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:41	10/14/24 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/11/24 15:41	10/14/24 15:38	1
o-Terphenyl	69	S1-	70 - 130				10/11/24 15:41	10/14/24 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			10/14/24 15:26	1

Client Sample ID: H-8 (0-1.0')

Lab Sample ID: 880-49694-8

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 15:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 15:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 15:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:04	10/14/24 15:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 15:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:04	10/14/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/11/24 16:04	10/14/24 15:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 16:04	10/14/24 15:06	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			10/14/24 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 15:54	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		10/11/24 15:41	10/14/24 15:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:41	10/14/24 15:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:41	10/14/24 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/11/24 15:41	10/14/24 15:54	1
o-Terphenyl	69	S1-	70 - 130				10/11/24 15:41	10/14/24 15:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/14/24 15:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-9 (0-1.0')

Lab Sample ID: 880-49694-9

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 16:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:04	10/14/24 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:04	10/14/24 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/11/24 16:04	10/14/24 16:29	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/11/24 16:04	10/14/24 16:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/24 16:29	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			10/14/24 16:10	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	<49.9	U	49.9		mg/Kg		10/11/24 15:41	10/14/24 16:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:41	10/14/24 16:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:41	10/14/24 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/11/24 15:41	10/14/24 16:10	1
o-Terphenyl	63	S1-	70 - 130	10/11/24 15:41	10/14/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			10/14/24 15:40	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-49694-1	H-1 (0-1.0')	114	99				
880-49694-2	H-2 (0-1.0')	112	102				
880-49694-3	H-3 (0-1.0')	108	103				
880-49694-4	H-4 (0-1.0')	108	102				
880-49694-5	H-5 (0-1.0')	110	102				
880-49694-6	H-6 (0-1.0')	108	102				
880-49694-7	H-7 (0-1.0')	110	102				
880-49694-8	H-8 (0-1.0')	116	100				
880-49694-9	H-9 (0-1.0')	110	103				
880-49696-A-41-B MS	Matrix Spike	104	103				
880-49696-A-41-C MSD	Matrix Spike Duplicate	103	87				
LCS 880-93140/1-A	Lab Control Sample	108	100				
LCSD 880-93140/2-A	Lab Control Sample Dup	107	100				
MB 880-93140/5-A	Method Blank	104	98				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-49689-A-1-H MS	Matrix Spike	91	79				
880-49689-A-1-I MSD	Matrix Spike Duplicate	104	89				
880-49689-A-6-E MS	Matrix Spike	108	107				
880-49689-A-6-F MSD	Matrix Spike Duplicate	110	108				
880-49694-1	H-1 (0-1.0')	100	87				
880-49694-2	H-2 (0-1.0')	101	89				
880-49694-3	H-3 (0-1.0')	106	92				
880-49694-4	H-4 (0-1.0')	107	93				
880-49694-5	H-5 (0-1.0')	102	88				
880-49694-6	H-6 (0-1.0')	86	64 S1-				
880-49694-7	H-7 (0-1.0')	92	69 S1-				
880-49694-8	H-8 (0-1.0')	94	69 S1-				
880-49694-9	H-9 (0-1.0')	85	63 S1-				
LCS 880-93129/2-A	Lab Control Sample	98	133 S1+				
LCS 880-93208/2-A	Lab Control Sample	109	166 S1+				
LCSD 880-93129/3-A	Lab Control Sample Dup	98	133 S1+				
LCSD 880-93208/3-A	Lab Control Sample Dup	109	167 S1+				
MB 880-93129/1-A	Method Blank	112	92				
MB 880-93208/1-A	Method Blank	131 S1+	125				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93140/5-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/11/24 16:04	10/14/24 11:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 16:04	10/14/24 11:40	1

Lab Sample ID: LCS 880-93140/1-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09611		mg/Kg		96	70 - 130
Toluene	0.100	0.09059		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09166		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09946		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-93140/2-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09444		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.08975		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.08962		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09627		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49696-A-41-B MS

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.08688		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08217		mg/Kg		82	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49696-A-41-B MS
Matrix: Solid
Analysis Batch: 93171

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08358		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.09136		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-49696-A-41-C MSD
Matrix: Solid
Analysis Batch: 93171

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.06946	F1	mg/Kg		69	70 - 130	22	35
Toluene	<0.00201	U	0.100	0.07584		mg/Kg		76	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.08420		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1778		mg/Kg		89	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.08984		mg/Kg		90	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	87		70 - 130								

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

Lab Sample ID: MB 880-93129/1-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93129

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		10/11/24 15:40	10/14/24 09:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: LCS 880-93129/2-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-93129/2-A

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93129

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-93129/3-A

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1045		mg/Kg		105	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 880-49689-A-1-H MS

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	876.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	733.1		mg/Kg		74	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 880-49689-A-1-I MSD

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1027		mg/Kg		103	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	806.5		mg/Kg		81	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	89		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-93208/1-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93208

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		10/14/24 08:00	10/14/24 09:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/24 08:00	10/14/24 09:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/24 08:00	10/14/24 09:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/14/24 08:00	10/14/24 09:54	1
o-Terphenyl	125		70 - 130				10/14/24 08:00	10/14/24 09:54	1

Lab Sample ID: LCS 880-93208/2-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1211		mg/Kg		121	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	109		70 - 130				
o-Terphenyl	166	S1+	70 - 130				

Lab Sample ID: LCSD 880-93208/3-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93208

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1287		mg/Kg		129	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	167	S1+	70 - 130						

Lab Sample ID: 880-49689-A-6-E MS

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	993	973.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	993	947.6		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49689-A-6-E MS

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93208

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-49689-A-6-F MSD

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93208

	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	993	965.5		mg/Kg		97	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.8	U	993	931.8		mg/Kg		94	70 - 130	2	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	110		70 - 130									
o-Terphenyl	108		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93147/1-A

Matrix: Solid

Analysis Batch: 93217

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			10/14/24 13:32	1		

Lab Sample ID: LCS 880-93147/2-A

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	262.3		mg/Kg		105	90 - 110			

Lab Sample ID: LCSD 880-93147/3-A

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride	248	256.9		mg/Kg		104	90 - 110	2	20		

Lab Sample ID: 880-49642-A-21-D MS

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	790		249	1015		mg/Kg		90	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-49642-A-21-E MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 93217												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	790		249	1013		mg/Kg		90	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 93140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	5035	
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	5035	
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	5035	
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	5035	
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	5035	
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	5035	
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	5035	
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	5035	
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	5035	
MB 880-93140/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49696-A-41-B MS	Matrix Spike	Total/NA	Solid	5035	
880-49696-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	8021B	93140
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	8021B	93140
MB 880-93140/5-A	Method Blank	Total/NA	Solid	8021B	93140
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	8021B	93140
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93140
880-49696-A-41-B MS	Matrix Spike	Total/NA	Solid	8021B	93140
880-49696-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93140

Analysis Batch: 93329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 93129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49689-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49689-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	8015B NM	93129
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	8015B NM	93129
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	8015B NM	93129
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	8015B NM	93129
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015B NM	93129
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93129
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93129
880-49689-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	93129
880-49689-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93129

Prep Batch: 93208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-93208/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93208/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49689-A-6-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49689-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	8015B NM	93208
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	8015B NM	93208
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	8015B NM	93208
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	8015B NM	93208
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	8015B NM	93208
MB 880-93208/1-A	Method Blank	Total/NA	Solid	8015B NM	93208
LCS 880-93208/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93208
LCSD 880-93208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93208
880-49689-A-6-E MS	Matrix Spike	Total/NA	Solid	8015B NM	93208
880-49689-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93208

Analysis Batch: 93374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-2	H-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-3	H-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-4	H-4 (0-1.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 93374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-5	H-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-6	H-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-7	H-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-8	H-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-49694-9	H-9 (0-1.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-2	H-2 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-3	H-3 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-4	H-4 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-5	H-5 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-6	H-6 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-7	H-7 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-8	H-8 (0-1.0')	Soluble	Solid	DI Leach	
880-49694-9	H-9 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-93147/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93147/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93147/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49642-A-21-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-49642-A-21-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49694-1	H-1 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-2	H-2 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-3	H-3 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-4	H-4 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-5	H-5 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-6	H-6 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-7	H-7 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-8	H-8 (0-1.0')	Soluble	Solid	300.0	93147
880-49694-9	H-9 (0-1.0')	Soluble	Solid	300.0	93147
MB 880-93147/1-A	Method Blank	Soluble	Solid	300.0	93147
LCS 880-93147/2-A	Lab Control Sample	Soluble	Solid	300.0	93147
LCSD 880-93147/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93147
880-49642-A-21-D MS	Matrix Spike	Soluble	Solid	300.0	93147
880-49642-A-21-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93147

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-1 (0-1.0')

Lab Sample ID: 880-49694-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 12:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 13:25	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 13:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93208	10/14/24 15:10	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 14:34	CH	EET MID

Client Sample ID: H-2 (0-1.0')

Lab Sample ID: 880-49694-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 13:03	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	93208	10/14/24 15:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 15:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 16:35	CH	EET MID

Client Sample ID: H-3 (0-1.0')

Lab Sample ID: 880-49694-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 13:24	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 15:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10.00 mL	93208	10/14/24 15:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 15:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 14:43	CH	EET MID

Client Sample ID: H-4 (0-1.0')

Lab Sample ID: 880-49694-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 13:44	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-4 (0-1.0')

Lab Sample ID: 880-49694-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			93374	10/14/24 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	93208	10/14/24 15:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 16:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 14:51	CH	EET MID

Client Sample ID: H-5 (0-1.0')

Lab Sample ID: 880-49694-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 14:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93208	10/14/24 15:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 16:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 15:12	CH	EET MID

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49694-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 14:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 15:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 15:19	CH	EET MID

Client Sample ID: H-7 (0-1.0')

Lab Sample ID: 880-49694-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 14:46	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 15:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Client Sample ID: H-7 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49694-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 15:26	CH	EET MID

Client Sample ID: H-8 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49694-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 15:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 15:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 15:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 15:33	CH	EET MID

Client Sample ID: H-9 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49694-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93329	10/14/24 16:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			93374	10/14/24 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 16:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 15:40	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49694-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49694-1	H-1 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-2	H-2 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-3	H-3 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-4	H-4 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-5	H-5 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-6	H-6 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-7	H-7 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-8	H-8 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49694-9	H-9 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05

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

Chain of Custody

Wo



880-49694 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Yukon Gold 31-19 Fed Com 212H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2539		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location		Eddy County, NM		Due Date:		Normal														Cool: Cool MeOH: Me							
Sampler's Name:		IR																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP					
Received Intact:		Yes No		Thermometer ID:		IRK														NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:		-5.1														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		-4.8														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		-4.3														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
H-1 (0-1.0')		10/10/2024				X				G		1		X X X													
H-2 (0-1.0')		10/10/2024				X				G		1		X X X													
H-3 (0-1.0')		10/10/2024				X				G		1		X X X													
H-4 (0-1.0')		10/10/2024				X				G		1		X X X													
H-5 (0-1.0')		10/10/2024				X				G		1		X X X													
H-6 (0-1.0')		10/10/2024				X				G		1		X X X													
H-7 (0-1.0')		10/10/2024				X				G		1		X X X													
H-8 (0-1.0')		10/10/2024				X				G		1		X X X													
H-9 (0-1.0')		10/10/2024				X				G		1		X X X													

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

--	--	--	--	--	--

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1 [Signature]		2 [Signature]		6/10/24 5:05		3					
4		5				4					
5						5					

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49694-1
SDG Number: Eddy County, NM

Login Number: 49694

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

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/16/2024 4:49:34 PM

JOB DESCRIPTION

Yukon Gold 31-19 Fed Com 212H
Eddy County, NM

JOB NUMBER

880-49696-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

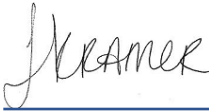
Eurofins Midland

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
10/16/2024 4:49:34 PM

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

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Laboratory Job ID: 880-49696-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	39
QC Sample Results	42
QC Association Summary	57
Lab Chronicle	68
Certification Summary	81
Method Summary	82
Sample Summary	83
Chain of Custody	84
Receipt Checklists	89

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1

Job ID: 880-49696-1**Eurofins Midland**

Job Narrative
880-49696-1

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 10/11/2024 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-1 (0-1.0') (880-49696-1), BH-1 (2.0') (880-49696-2), BH-1 (4.0') (880-49696-3), BH-1 (6.0') (880-49696-4), BH-1 (8.0') (880-49696-5), BH-1 (10') (880-49696-6), BH-1 (12') (880-49696-7), BH-1 (14') (880-49696-8), BH-2 (0-1.0') (880-49696-9), BH-2 (2.0') (880-49696-10), BH-2 (4.0') (880-49696-11), BH-2 (6.0') (880-49696-12), BH-2 (8.0') (880-49696-13), BH-2 (10') (880-49696-14), BH-2 (15') (880-49696-15), BH-2 (20') (880-49696-16), BH-2 (22') (880-49696-17), BH-3 (0-1.0') (880-49696-18), BH-3 (2.0') (880-49696-19), BH-3 (4.0') (880-49696-20), BH-3 (6.0') (880-49696-21), BH-3 (8.0') (880-49696-22), BH-3 (10') (880-49696-23), BH-3 (15') (880-49696-24), BH-3 (20') (880-49696-25), BH-3 (22') (880-49696-26), BH-4 (0-1.0') (880-49696-27), BH-4 (2.0') (880-49696-28), BH-4 (3.0') (880-49696-29), BH-4 (4.0') (880-49696-30), BH-4 (5.0') (880-49696-31), BH-4 (6.0') (880-49696-32), BH-5 (0-1.0') (880-49696-33), BH-5 (5.0') (880-49696-34), BH-5 (10') (880-49696-35), BH-5 (15') (880-49696-36), BH-5 (16') (880-49696-37), BH-1 (16') (880-49696-38), BH-2 (24') (880-49696-39), BH-3 (24') (880-49696-40), BH-4 (8.0') (880-49696-41) and BH-5 (18') (880-49696-42).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-93140 and analytical batch 880-93171 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-93174 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-93174/2) and (CCV 880-93174/33).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-93138 and analytical batch 880-93174 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93129/2-A) and (LCSD 880-93129/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93072/2-A), (LCS 880-93134/2-A), (LCSD 880-93072/3-A) and (LCSD 880-93134/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BH-4 (2.0') (880-49696-28). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-93136/3-A). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1

Job ID: 880-49696-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-93136 and analytical batch 880-93283 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-93148 and analytical batch 880-93221 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-93149 and analytical batch 880-93243 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (0-1.0')

Lab Sample ID: 880-49696-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 12:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 12:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 12:54	1
m-Xylene & p-Xylene	0.00927		0.00402		mg/Kg		10/11/24 16:00	10/14/24 12:54	1
o-Xylene	0.00372		0.00201		mg/Kg		10/11/24 16:00	10/14/24 12:54	1
Xylenes, Total	0.0130		0.00402		mg/Kg		10/11/24 16:00	10/14/24 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:00	10/14/24 12:54	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/11/24 16:00	10/14/24 12:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0130		0.00402		mg/Kg			10/14/24 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	913		50.0		mg/Kg			10/14/24 16:26	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		10/11/24 15:41	10/14/24 16:26	1
Diesel Range Organics (Over C10-C28)	913		50.0		mg/Kg		10/11/24 15:41	10/14/24 16:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:41	10/14/24 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/11/24 15:41	10/14/24 16:26	1
o-Terphenyl	117		70 - 130				10/11/24 15:41	10/14/24 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29400		498		mg/Kg			10/14/24 15:46	50

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-49696-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 13:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 13:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 13:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:00	10/14/24 13:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 13:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:00	10/14/24 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				10/11/24 16:00	10/14/24 13:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/11/24 16:00	10/14/24 13:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-49696-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 16:42	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		10/11/24 15:41	10/14/24 16:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 16:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/24 15:41	10/14/24 16:42	1
o-Terphenyl	77		70 - 130				10/11/24 15:41	10/14/24 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7800		99.2		mg/Kg			10/14/24 16:07	10

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-49696-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 13:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 13:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 13:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 13:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 13:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				10/11/24 16:00	10/14/24 13:47	1
1,4-Difluorobenzene (Surr)	84		70 - 130				10/11/24 16:00	10/14/24 13:47	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			10/14/24 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 12:35	10/15/24 06:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 12:35	10/15/24 06:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-49696-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 12:35	10/15/24 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/24 12:35	10/15/24 06:12	1
o-Terphenyl	93		70 - 130				10/11/24 12:35	10/15/24 06:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6090		101		mg/Kg			10/14/24 16:14	10

Client Sample ID: BH-1 (6.0')

Lab Sample ID: 880-49696-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 14:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 14:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/11/24 16:00	10/14/24 14:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:00	10/14/24 14:13	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			10/14/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 06:26	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		10/11/24 12:35	10/15/24 06:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 12:35	10/15/24 06:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 12:35	10/15/24 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/24 12:35	10/15/24 06:26	1
o-Terphenyl	93		70 - 130				10/11/24 12:35	10/15/24 06:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8230		198		mg/Kg			10/14/24 16:42	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (8.0')

Lab Sample ID: 880-49696-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 14:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 14:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 14:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 16:00	10/14/24 14:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/11/24 16:00	10/14/24 14:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 06:42	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		10/11/24 12:35	10/15/24 06:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 12:35	10/15/24 06:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 12:35	10/15/24 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/11/24 12:35	10/15/24 06:42	1
o-Terphenyl	84		70 - 130				10/11/24 12:35	10/15/24 06:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4360		100		mg/Kg			10/14/24 16:49	10

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-49696-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 15:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 15:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 15:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 15:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 15:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/24 16:00	10/14/24 15:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 16:00	10/14/24 15:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-49696-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 15:06	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			10/15/24 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 12:35	10/15/24 06:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 12:35	10/15/24 06:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 12:35	10/15/24 06:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/11/24 12:35	10/15/24 06:56	1
o-Terphenyl	92		70 - 130				10/11/24 12:35	10/15/24 06:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4910		99.4		mg/Kg			10/14/24 16:56	10

Client Sample ID: BH-1 (12')

Lab Sample ID: 880-49696-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 15:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 16:00	10/14/24 15:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 16:00	10/14/24 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/11/24 16:00	10/14/24 15:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/11/24 16:00	10/14/24 15:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/14/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 07:11	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		10/11/24 12:35	10/15/24 07:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 12:35	10/15/24 07:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (12')

Lab Sample ID: 880-49696-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 12:35	10/15/24 07:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				10/11/24 12:35	10/15/24 07:11	1
o-Terphenyl	85		70 - 130				10/11/24 12:35	10/15/24 07:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		10.0		mg/Kg			10/14/24 17:02	1

Client Sample ID: BH-1 (14')

Lab Sample ID: 880-49696-8

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 15:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 16:00	10/14/24 15:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 15:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 16:00	10/14/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:00	10/14/24 15:59	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/11/24 16:00	10/14/24 15:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/14/24 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/15/24 09:17	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	<49.7	U	49.7		mg/Kg		10/11/24 12:35	10/15/24 09:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 12:35	10/15/24 09:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 12:35	10/15/24 09:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/11/24 12:35	10/15/24 09:17	1
o-Terphenyl	79		70 - 130				10/11/24 12:35	10/15/24 09:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		10.1		mg/Kg			10/14/24 17:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (0-1.0')

Lab Sample ID: 880-49696-9

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 16:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 16:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 16:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 16:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 16:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/11/24 16:00	10/14/24 16:25	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/11/24 16:00	10/14/24 16:25	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			10/14/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	163		49.8		mg/Kg			10/15/24 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 12:35	10/15/24 09:32	1
Diesel Range Organics (Over C10-C28)	163		49.8		mg/Kg		10/11/24 12:35	10/15/24 09:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 12:35	10/15/24 09:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	10/11/24 12:35	10/15/24 09:32	1
o-Terphenyl	94		70 - 130	10/11/24 12:35	10/15/24 09:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31900		498		mg/Kg			10/14/24 17:16	50

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-49696-10

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 16:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 16:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 16:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/11/24 16:00	10/14/24 16:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/11/24 16:00	10/14/24 16:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-49696-10

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 16:52	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			10/14/24 18:36	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		10/11/24 15:55	10/14/24 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/11/24 15:55	10/14/24 18:36	1
o-Terphenyl	92		70 - 130				10/11/24 15:55	10/14/24 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5130	F1	100		mg/Kg			10/14/24 12:39	10

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-49696-11

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/11/24 16:00	10/14/24 18:38	1
1,4-Difluorobenzene (Surr)	84		70 - 130				10/11/24 16:00	10/14/24 18:38	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			10/14/24 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/14/24 19:21	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		10/11/24 15:55	10/14/24 19:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 19:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-49696-11

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:55	10/14/24 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/11/24 15:55	10/14/24 19:21	1
o-Terphenyl	88		70 - 130				10/11/24 15:55	10/14/24 19:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4910		100		mg/Kg			10/14/24 12:55	10

Client Sample ID: BH-2 (6.0')

Lab Sample ID: 880-49696-12

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 19:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 19:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 19:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 19:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 19:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/11/24 16:00	10/14/24 19:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 16:00	10/14/24 19:05	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			10/14/24 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 19:35	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		10/11/24 15:55	10/14/24 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/11/24 15:55	10/14/24 19:35	1
o-Terphenyl	81		70 - 130				10/11/24 15:55	10/14/24 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5500		101		mg/Kg			10/14/24 13:00	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (8.0')

Lab Sample ID: 880-49696-13

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 19:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 19:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 19:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 16:00	10/14/24 19:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 19:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 16:00	10/14/24 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/11/24 16:00	10/14/24 19:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/11/24 16:00	10/14/24 19:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/14/24 19:31	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			10/14/24 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 19:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 19:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/11/24 15:55	10/14/24 19:50	1
o-Terphenyl	86		70 - 130	10/11/24 15:55	10/14/24 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		50.2		mg/Kg			10/14/24 13:06	5

Client Sample ID: BH-2 (10')

Lab Sample ID: 880-49696-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 19:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 19:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 19:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 19:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 19:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/11/24 16:00	10/14/24 19:58	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/11/24 16:00	10/14/24 19:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (10')

Lab Sample ID: 880-49696-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 19:58	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			10/14/24 20:05	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		10/11/24 15:55	10/14/24 20:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 20:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/11/24 15:55	10/14/24 20:05	1
o-Terphenyl	86		70 - 130				10/11/24 15:55	10/14/24 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		10.1		mg/Kg			10/14/24 13:11	1

Client Sample ID: BH-2 (15')

Lab Sample ID: 880-49696-15

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 20:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 20:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 20:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 20:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:00	10/14/24 20:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:00	10/14/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/24 16:00	10/14/24 20:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/11/24 16:00	10/14/24 20:24	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			10/14/24 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 20:21	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		10/11/24 15:55	10/14/24 20:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 20:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (15')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				10/11/24 15:55	10/14/24 20:21	1
o-Terphenyl	86		70 - 130				10/11/24 15:55	10/14/24 20:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4730		99.6		mg/Kg			10/14/24 13:27	10

Client Sample ID: BH-2 (20')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:00	10/14/24 20:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				10/11/24 16:00	10/14/24 20:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 16:00	10/14/24 20:51	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			10/14/24 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 20:35	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		10/11/24 15:55	10/14/24 20:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 20:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/11/24 15:55	10/14/24 20:35	1
o-Terphenyl	90		70 - 130				10/11/24 15:55	10/14/24 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	535		9.92		mg/Kg			10/14/24 13:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (22')

Lab Sample ID: 880-49696-17

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 21:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 21:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 21:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:00	10/14/24 21:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:00	10/14/24 21:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:00	10/14/24 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 16:00	10/14/24 21:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 16:00	10/14/24 21:17	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			10/14/24 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 20:50	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	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 20:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 20:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/11/24 15:55	10/14/24 20:50	1
o-Terphenyl	87		70 - 130				10/11/24 15:55	10/14/24 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		10.1		mg/Kg			10/14/24 13:38	1

Client Sample ID: BH-3 (0-1.0')

Lab Sample ID: 880-49696-18

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 21:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 21:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 21:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 16:00	10/14/24 21:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:00	10/14/24 21:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 16:00	10/14/24 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/11/24 16:00	10/14/24 21:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/11/24 16:00	10/14/24 21:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (0-1.0')

Lab Sample ID: 880-49696-18

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	138		49.8		mg/Kg			10/14/24 21:05	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		10/11/24 15:55	10/14/24 21:05	1
Diesel Range Organics (Over C10-C28)	138		49.8		mg/Kg		10/11/24 15:55	10/14/24 21:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/24 15:55	10/14/24 21:05	1
o-Terphenyl	97		70 - 130				10/11/24 15:55	10/14/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17300		500		mg/Kg			10/14/24 13:44	50

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-49696-19

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/15/24 08:26	10/15/24 19:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 19:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 19:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 19:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 19:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/15/24 08:26	10/15/24 19:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 19:10	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			10/15/24 19:10	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			10/14/24 21:20	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	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 21:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 21:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-49696-19

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:55	10/14/24 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/11/24 15:55	10/14/24 21:20	1
o-Terphenyl	83		70 - 130				10/11/24 15:55	10/14/24 21:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4740		101		mg/Kg			10/14/24 13:49	10

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-49696-20

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:00	10/14/24 22:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 22:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 22:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 22:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:00	10/14/24 22:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:00	10/14/24 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				10/11/24 16:00	10/14/24 22:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/11/24 16:00	10/14/24 22:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/14/24 22:36	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			10/14/24 21:51	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	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 21:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 21:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				10/11/24 15:55	10/14/24 21:51	1
o-Terphenyl	86		70 - 130				10/11/24 15:55	10/14/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5790	F1	101		mg/Kg			10/14/24 13:54	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (6.0')

Lab Sample ID: 880-49696-21

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 12:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 12:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/11/24 16:02	10/14/24 12:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 12:10	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			10/14/24 12:10	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			10/14/24 22:05	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		10/11/24 15:55	10/14/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 22:05	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				10/11/24 15:55	10/14/24 22:05	1
o-Terphenyl	81		70 - 130				10/11/24 15:55	10/14/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5810		99.6		mg/Kg			10/14/24 14:11	10

Client Sample ID: BH-3 (8.0')

Lab Sample ID: 880-49696-22

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 12:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 12:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 12:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 12:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 12:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (8.0')

Lab Sample ID: 880-49696-22

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 12:30	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			10/14/24 22:21	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		10/11/24 15:55	10/14/24 22:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 22:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/11/24 15:55	10/14/24 22:21	1
o-Terphenyl	82		70 - 130				10/11/24 15:55	10/14/24 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4180		99.2		mg/Kg			10/14/24 14:16	10

Client Sample ID: BH-3 (10')

Lab Sample ID: 880-49696-23

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 12:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 12:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 12:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 12:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 12:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/11/24 16:02	10/14/24 12:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 16:02	10/14/24 12:51	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			10/14/24 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 22:35	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		10/11/24 15:55	10/14/24 22:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 22:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (10')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:55	10/14/24 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/11/24 15:55	10/14/24 22:35	1
o-Terphenyl	90		70 - 130				10/11/24 15:55	10/14/24 22:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5370		101		mg/Kg			10/14/24 14:32	10

Client Sample ID: BH-3 (15')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-24

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/11/24 16:02	10/14/24 13:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 13:11	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			10/14/24 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/14/24 22:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 22:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 22:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/24 15:55	10/14/24 22:50	1
o-Terphenyl	92		70 - 130				10/11/24 15:55	10/14/24 22:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		49.7		mg/Kg			10/14/24 14:38	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (20')

Lab Sample ID: 880-49696-25

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 13:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 13:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 13:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/11/24 16:02	10/14/24 13:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 16:02	10/14/24 13:32	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			10/14/24 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 23:05	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		10/11/24 15:55	10/14/24 23:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 23:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/14/24 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/11/24 15:55	10/14/24 23:05	1
o-Terphenyl	80		70 - 130	10/11/24 15:55	10/14/24 23:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		9.92		mg/Kg			10/14/24 14:43	1

Client Sample ID: BH-3 (22')

Lab Sample ID: 880-49696-26

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 13:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 13:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 13:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 13:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 13:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/11/24 16:02	10/14/24 13:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 16:02	10/14/24 13:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (22')

Lab Sample ID: 880-49696-26

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/14/24 23:19	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		10/11/24 15:55	10/14/24 23:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 23:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 15:55	10/14/24 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/11/24 15:55	10/14/24 23:19	1
o-Terphenyl	82		70 - 130				10/11/24 15:55	10/14/24 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		10.0		mg/Kg			10/14/24 14:49	1

Client Sample ID: BH-4 (0-1.0')

Lab Sample ID: 880-49696-27

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 14:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 16:02	10/14/24 14:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 16:02	10/14/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 14:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/14/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	111		49.7		mg/Kg			10/14/24 23:35	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		10/11/24 15:55	10/14/24 23:35	1
Diesel Range Organics (Over C10-C28)	111		49.7		mg/Kg		10/11/24 15:55	10/14/24 23:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (0-1.0')

Lab Sample ID: 880-49696-27

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:55	10/14/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/11/24 15:55	10/14/24 23:35	1
o-Terphenyl	96		70 - 130				10/11/24 15:55	10/14/24 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13300		200		mg/Kg			10/14/24 14:54	20

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-49696-28

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 14:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 16:02	10/14/24 14:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 14:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 16:02	10/14/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 14:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 14:33	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			10/14/24 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 23:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 23:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				10/11/24 15:55	10/14/24 23:49	1
o-Terphenyl	68	S1-	70 - 130				10/11/24 15:55	10/14/24 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830		101		mg/Kg			10/14/24 14:59	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-49696-29

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 14:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 14:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 14:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 14:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 14:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/11/24 16:02	10/14/24 14:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 16:02	10/14/24 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/14/24 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 00:04	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	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/15/24 00:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/15/24 00:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:55	10/15/24 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/11/24 15:55	10/15/24 00:04	1
o-Terphenyl	87		70 - 130	10/11/24 15:55	10/15/24 00:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3390		49.8		mg/Kg			10/14/24 15:05	5

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-49696-30

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 15:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 15:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/11/24 16:02	10/14/24 15:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 16:02	10/14/24 15:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-49696-30

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		10/11/24 15:58	10/14/24 18:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/11/24 15:58	10/14/24 18:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				10/11/24 15:58	10/14/24 18:36	1
o-Terphenyl	85		70 - 130				10/11/24 15:58	10/14/24 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160	F1	49.6		mg/Kg			10/14/24 15:48	5

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-49696-31

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 16:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/11/24 16:02	10/14/24 16:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 16:02	10/14/24 16:49	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			10/14/24 16:49	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			10/14/24 19:21	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		10/11/24 15:58	10/14/24 19:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 19:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-49696-31

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:58	10/14/24 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/11/24 15:58	10/14/24 19:21	1
o-Terphenyl	82		70 - 130				10/11/24 15:58	10/14/24 19:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		49.8		mg/Kg			10/14/24 16:04	5

Client Sample ID: BH-4 (6.0')

Lab Sample ID: 880-49696-32

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 17:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 17:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 17:10	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 17:10	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			10/14/24 17:10	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			10/14/24 19:35	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		10/11/24 15:58	10/14/24 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				10/11/24 15:58	10/14/24 19:35	1
o-Terphenyl	78		70 - 130				10/11/24 15:58	10/14/24 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	285		9.92		mg/Kg			10/14/24 16:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (0-1.0')

Lab Sample ID: 880-49696-33

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 17:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 17:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 17:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 16:02	10/14/24 17:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 17:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 16:02	10/14/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/11/24 16:02	10/14/24 17:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 16:02	10/14/24 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/14/24 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 19:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 19:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	10/11/24 15:58	10/14/24 19:50	1
o-Terphenyl	86		70 - 130	10/11/24 15:58	10/14/24 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19200		496		mg/Kg			10/14/24 16:15	50

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-49696-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 17:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 17:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 17:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 17:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 17:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/11/24 16:02	10/14/24 17:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 16:02	10/14/24 17:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-49696-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 17:51	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			10/14/24 20:05	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		10/11/24 15:58	10/14/24 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/11/24 15:58	10/14/24 20:05	1
o-Terphenyl	82		70 - 130				10/11/24 15:58	10/14/24 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.8		10.1		mg/Kg			10/14/24 16:20	1

Client Sample ID: BH-5 (10')

Lab Sample ID: 880-49696-35

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 18:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 18:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 18:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 18:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 18:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 18:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 18:11	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			10/14/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 20:21	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		10/11/24 15:58	10/14/24 20:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 20:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (10')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-35

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				10/11/24 15:58	10/14/24 20:21	1
o-Terphenyl	76		70 - 130				10/11/24 15:58	10/14/24 20:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.6		9.96		mg/Kg			10/14/24 16:37	1

Client Sample ID: BH-5 (15')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-36

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 16:02	10/14/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/11/24 16:02	10/14/24 18:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 18:32	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			10/14/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/14/24 20:35	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		10/11/24 15:58	10/14/24 20:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 20:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				10/11/24 15:58	10/14/24 20:35	1
o-Terphenyl	77		70 - 130				10/11/24 15:58	10/14/24 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.3		10.1		mg/Kg			10/14/24 16:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (16')

Lab Sample ID: 880-49696-37

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 18:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 18:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 18:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 18:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:02	10/14/24 18:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:02	10/14/24 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 18:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/14/24 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 20:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 20:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:58	10/14/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				10/11/24 15:58	10/14/24 20:50	1
o-Terphenyl	79		70 - 130				10/11/24 15:58	10/14/24 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		9.94		mg/Kg			10/14/24 16:47	1

Client Sample ID: BH-1 (16')

Lab Sample ID: 880-49696-38

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 19:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 19:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 19:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 16:02	10/14/24 19:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 16:02	10/14/24 19:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 16:02	10/14/24 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/11/24 16:02	10/14/24 19:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 19:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (16')

Lab Sample ID: 880-49696-38

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 21:05	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		10/11/24 15:58	10/14/24 21:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				10/11/24 15:58	10/14/24 21:05	1
o-Terphenyl	82		70 - 130				10/11/24 15:58	10/14/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		9.92		mg/Kg			10/14/24 16:53	1

Client Sample ID: BH-2 (24')

Lab Sample ID: 880-49696-39

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 19:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 19:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 19:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 16:02	10/14/24 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 16:02	10/14/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 19:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:02	10/14/24 19:33	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			10/14/24 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 21:20	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	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (24')

Lab Sample ID: 880-49696-39

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 15:58	10/14/24 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/11/24 15:58	10/14/24 21:20	1
o-Terphenyl	81		70 - 130				10/11/24 15:58	10/14/24 21:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.7		10.1		mg/Kg			10/14/24 16:58	1

Client Sample ID: BH- 3 (24')

Lab Sample ID: 880-49696-40

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:02	10/14/24 19:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 19:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 19:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 19:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 16:02	10/14/24 19:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 16:02	10/14/24 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/11/24 16:02	10/14/24 19:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 16:02	10/14/24 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/14/24 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 21:51	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	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:58	10/14/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				10/11/24 15:58	10/14/24 21:51	1
o-Terphenyl	75		70 - 130				10/11/24 15:58	10/14/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		9.96		mg/Kg			10/14/24 17:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (8.0')

Lab Sample ID: 880-49696-41

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:04	10/14/24 12:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:04	10/14/24 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/11/24 16:04	10/14/24 12:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/11/24 16:04	10/14/24 12:02	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			10/14/24 12:02	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			10/14/24 22:05	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		10/11/24 15:58	10/14/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 22:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	10/11/24 15:58	10/14/24 22:05	1
o-Terphenyl	76		70 - 130	10/11/24 15:58	10/14/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.8		9.96		mg/Kg			10/14/24 17:20	1

Client Sample ID: BH-5 (18')

Lab Sample ID: 880-49696-42

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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		10/11/24 16:04	10/14/24 12:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 16:04	10/14/24 12:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 16:04	10/14/24 12:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 16:04	10/14/24 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/11/24 16:04	10/14/24 12:22	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/24 16:04	10/14/24 12:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (18')

Lab Sample ID: 880-49696-42

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			10/14/24 12:22	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			10/14/24 22:21	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		10/11/24 15:58	10/14/24 22:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 22:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 15:58	10/14/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				10/11/24 15:58	10/14/24 22:21	1
o-Terphenyl	74		70 - 130				10/11/24 15:58	10/14/24 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.8		10.0		mg/Kg			10/14/24 17:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-49696-1	BH-1 (0-1.0')	100	87
880-49696-1 MS	BH-1 (0-1.0')	108	94
880-49696-1 MSD	BH-1 (0-1.0')	110	96
880-49696-2	BH-1 (2.0')	117	94
880-49696-3	BH-1 (4.0')	117	84
880-49696-4	BH-1 (6.0')	114	99
880-49696-5	BH-1 (8.0')	106	93
880-49696-6	BH-1 (10')	108	100
880-49696-7	BH-1 (12')	120	89
880-49696-8	BH-1 (14')	100	87
880-49696-9	BH-2 (0-1.0')	108	88
880-49696-10	BH-2 (2.0')	110	94
880-49696-11	BH-2 (4.0')	95	84
880-49696-12	BH-2 (6.0')	116	97
880-49696-13	BH-2 (8.0')	101	88
880-49696-14	BH-2 (10')	119	93
880-49696-15	BH-2 (15')	113	90
880-49696-16	BH-2 (20')	115	101
880-49696-17	BH-2 (22')	106	100
880-49696-18	BH-3 (0-1.0')	120	95
880-49696-19	BH-3 (2.0')	102	99
880-49696-20	BH-3 (4.0')	122	103
880-49696-21	BH-3 (6.0')	102	99
880-49696-21 MS	BH-3 (6.0')	105	100
880-49696-21 MSD	BH-3 (6.0')	106	100
880-49696-22	BH-3 (8.0')	100	98
880-49696-23	BH-3 (10')	101	97
880-49696-24	BH-3 (15')	101	99
880-49696-25	BH-3 (20')	101	99
880-49696-26	BH-3 (22')	99	99
880-49696-27	BH-4 (0-1.0')	99	98
880-49696-28	BH-4 (2.0')	99	98
880-49696-29	BH-4 (3.0')	107	98
880-49696-30	BH-4 (4.0')	102	99
880-49696-31	BH-4 (5.0')	101	101
880-49696-32	BH-4 (6.0')	100	98
880-49696-33	BH-5 (0-1.0')	102	98
880-49696-34	BH-5 (5.0')	100	99
880-49696-35	BH-5 (10')	100	98
880-49696-36	BH-5 (15')	102	99
880-49696-37	BH-5 (16')	100	100
880-49696-38	BH-1 (16')	102	99
880-49696-39	BH-2 (24')	100	98
880-49696-40	BH- 3 (24')	100	99
880-49696-41	BH-4 (8.0')	114	100
880-49696-41 MS	BH-4 (8.0')	104	103
880-49696-41 MSD	BH-4 (8.0')	103	87
880-49696-42	BH-5 (18')	109	104
880-49779-A-1-D MS	Matrix Spike	107	101

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-49779-A-1-E MSD	Matrix Spike Duplicate	109	100
LCS 880-93138/1-A	Lab Control Sample	98	91
LCS 880-93140/1-A	Lab Control Sample	108	100
LCSD 880-93138/2-A	Lab Control Sample Dup	112	100
LCSD 880-93140/2-A	Lab Control Sample Dup	107	100
MB 880-93138/5-A	Method Blank	69 S1-	87
MB 880-93140/5-A	Method Blank	104	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (70-130)
LCS 880-93139/1-A	Lab Control Sample	105	100
LCS 880-93309/1-A	Lab Control Sample	105	100
LCSD 880-93139/2-A	Lab Control Sample Dup	106	100
LCSD 880-93309/2-A	Lab Control Sample Dup	106	100
MB 880-93139/5-A	Method Blank	96	93
MB 880-93309/5-A	Method Blank	95	95
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)
880-49682-A-41-B MS	Matrix Spike	111	98
880-49682-A-41-C MSD	Matrix Spike Duplicate	110	98
880-49689-A-1-H MS	Matrix Spike	91	79
880-49689-A-1-I MSD	Matrix Spike Duplicate	104	89
880-49696-1	BH-1 (0-1.0')	98	117
880-49696-2	BH-1 (2.0')	97	77
880-49696-3	BH-1 (4.0')	95	93
880-49696-4	BH-1 (6.0')	95	93
880-49696-5	BH-1 (8.0')	87	84
880-49696-6	BH-1 (10')	96	92
880-49696-7	BH-1 (12')	89	85
880-49696-8	BH-1 (14')	85	79
880-49696-9	BH-2 (0-1.0')	88	94
880-49696-10	BH-2 (2.0')	94	92
880-49696-10 MS	BH-2 (2.0')	109	98
880-49696-10 MSD	BH-2 (2.0')	108	95
880-49696-11	BH-2 (4.0')	91	88

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-49696-1

Project/Site: Yukon Gold 31-19 Fed Com 212H

SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49696-12	BH-2 (6.0')	85	81
880-49696-13	BH-2 (8.0')	90	86
880-49696-14	BH-2 (10')	91	86
880-49696-15	BH-2 (15')	89	86
880-49696-16	BH-2 (20')	94	90
880-49696-17	BH-2 (22')	90	87
880-49696-18	BH-3 (0-1.0')	95	97
880-49696-19	BH-3 (2.0')	87	83
880-49696-20	BH-3 (4.0')	89	86
880-49696-21	BH-3 (6.0')	84	81
880-49696-22	BH-3 (8.0')	86	82
880-49696-23	BH-3 (10')	94	90
880-49696-24	BH-3 (15')	95	92
880-49696-25	BH-3 (20')	84	80
880-49696-26	BH-3 (22')	86	82
880-49696-27	BH-4 (0-1.0')	96	96
880-49696-28	BH-4 (2.0')	69 S1-	68 S1-
880-49696-29	BH-4 (3.0')	91	87
880-49696-30	BH-4 (4.0')	79	85
880-49696-30 MS	BH-4 (4.0')	86	82
880-49696-30 MSD	BH-4 (4.0')	86	82
880-49696-31	BH-4 (5.0')	76	82
880-49696-32	BH-4 (6.0')	73	78
880-49696-33	BH-5 (0-1.0')	79	86
880-49696-34	BH-5 (5.0')	76	82
880-49696-35	BH-5 (10')	72	76
880-49696-36	BH-5 (15')	73	77
880-49696-37	BH-5 (16')	74	79
880-49696-38	BH-1 (16')	77	82
880-49696-39	BH-2 (24')	76	81
880-49696-40	BH- 3 (24')	70	75
880-49696-41	BH-4 (8.0')	72	76
880-49696-42	BH-5 (18')	70	74
LCS 880-93072/2-A	Lab Control Sample	105	143 S1+
LCS 880-93129/2-A	Lab Control Sample	98	133 S1+
LCS 880-93134/2-A	Lab Control Sample	105	141 S1+
LCS 880-93136/2-A	Lab Control Sample	88	126
LCSD 880-93072/3-A	Lab Control Sample Dup	107	146 S1+
LCSD 880-93129/3-A	Lab Control Sample Dup	98	133 S1+
LCSD 880-93134/3-A	Lab Control Sample Dup	105	142 S1+
LCSD 880-93136/3-A	Lab Control Sample Dup	106	151 S1+
MB 880-93072/1-A	Method Blank	83	85
MB 880-93129/1-A	Method Blank	112	92
MB 880-93134/1-A	Method Blank	95	96
MB 880-93136/1-A	Method Blank	77	86

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93138/5-A

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 12:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 12:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 16:00	10/14/24 12:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:00	10/14/24 12:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 16:00	10/14/24 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	10/11/24 16:00	10/14/24 12:27	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/11/24 16:00	10/14/24 12:27	1

Lab Sample ID: LCS 880-93138/1-A

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09381		mg/Kg		94	70 - 130
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130

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

Lab Sample ID: LCSD 880-93138/2-A

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1003		mg/Kg		100	70 - 130	7	35
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	8	35
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2315		mg/Kg		116	70 - 130	7	35
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49696-1 MS

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 93138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08593		mg/Kg		86	70 - 130
Toluene	<0.00201	U	0.100	0.08452		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49696-1 MS

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 93138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.07570		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.00927		0.200	0.1541		mg/Kg		72	70 - 130
o-Xylene	0.00372		0.100	0.08019		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-49696-1 MSD

Matrix: Solid

Analysis Batch: 93174

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 93138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08761		mg/Kg		88	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.08487		mg/Kg		85	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.07355		mg/Kg		72	70 - 130	3	35
m-Xylene & p-Xylene	0.00927		0.200	0.1526		mg/Kg		72	70 - 130	1	35
o-Xylene	0.00372		0.100	0.07338		mg/Kg		70	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-93139/5-A

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 16:02	10/14/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:02	10/14/24 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 16:02	10/14/24 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/11/24 16:02	10/14/24 11:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/11/24 16:02	10/14/24 11:48	1

Lab Sample ID: LCS 880-93139/1-A

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09419		mg/Kg		94	70 - 130
Toluene	0.100	0.09369		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-93139/1-A

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130

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

Lab Sample ID: LCSD 880-93139/2-A

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09713		mg/Kg		97	70 - 130	3	35
Toluene	0.100	0.09619		mg/Kg		96	70 - 130	3	35
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1946		mg/Kg		97	70 - 130	2	35
o-Xylene	0.100	0.1079		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49696-21 MS

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: BH-3 (6.0')

Prep Type: Total/NA

Prep Batch: 93139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08952		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.100	0.08698		mg/Kg		87	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09406		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1742		mg/Kg		87	70 - 130
o-Xylene	<0.00201	U	0.100	0.09626		mg/Kg		96	70 - 130

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

Lab Sample ID: 880-49696-21 MSD

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: BH-3 (6.0')

Prep Type: Total/NA

Prep Batch: 93139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08833		mg/Kg		88	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08652		mg/Kg		87	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09398		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1745		mg/Kg		87	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.09672		mg/Kg		97	70 - 130	0	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49696-21 MSD

Matrix: Solid

Analysis Batch: 93173

Client Sample ID: BH-3 (6.0')

Prep Type: Total/NA

Prep Batch: 93139

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-93140/5-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93140

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/11/24 16:04	10/14/24 11:40	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 16:04	10/14/24 11:40	1	

Lab Sample ID: LCS 880-93140/1-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93140

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09611		mg/Kg		96	70 - 130			
Toluene	0.100	0.09059		mg/Kg		91	70 - 130			
Ethylbenzene	0.100	0.09166		mg/Kg		92	70 - 130			
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130			
o-Xylene	0.100	0.09946		mg/Kg		99	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: LCSD 880-93140/2-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93140

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09444		mg/Kg		94	70 - 130	2	35	
Toluene	0.100	0.08975		mg/Kg		90	70 - 130	1	35	
Ethylbenzene	0.100	0.08962		mg/Kg		90	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130	2	35	
o-Xylene	0.100	0.09627		mg/Kg		96	70 - 130	3	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	107		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-93140/2-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93140

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

Lab Sample ID: 880-49696-41 MS

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: BH-4 (8.0')

Prep Type: Total/NA

Prep Batch: 93140

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U F1	0.100	0.08688		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08217		mg/Kg		82	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08358		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.09136		mg/Kg		91	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-49696-41 MSD

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: BH-4 (8.0')

Prep Type: Total/NA

Prep Batch: 93140

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.100	0.06946	F1	mg/Kg		69	70 - 130	22	35
Toluene	<0.00201	U	0.100	0.07584		mg/Kg		76	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.08420		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1778		mg/Kg		89	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.08984		mg/Kg		90	70 - 130	2	35

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

Lab Sample ID: MB 880-93309/5-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93309

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
4-Bromofluorobenzene (Surr)	95		70 - 130	10/15/24 08:26	10/15/24 11:24	1				
1,4-Difluorobenzene (Surr)	95		70 - 130	10/15/24 08:26	10/15/24 11:24	1				

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-93309/1-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09090		mg/Kg		91	70 - 130
Toluene	0.100	0.08993		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09799		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130

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

Lab Sample ID: LCSD 880-93309/2-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09637		mg/Kg		96	70 - 130	6	35
Toluene	0.100	0.09444		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130	4	35
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49779-A-1-D MS

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09367		mg/Kg		94	70 - 130
Toluene	<0.00202	U	0.100	0.09222		mg/Kg		92	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1003		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-49779-A-1-E MSD

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09000		mg/Kg		90	70 - 130	4	35
Toluene	<0.00202	U	0.100	0.08836		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.09618		mg/Kg		96	70 - 130	4	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49779-A-1-E MSD

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1793		mg/Kg		90	70 - 130	4	35
o-Xylene	<0.00202	U	0.100	0.09794		mg/Kg		98	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

Lab Sample ID: MB 880-93072/1-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93072

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		10/11/24 12:35	10/15/24 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 12:35	10/15/24 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 12:35	10/15/24 01:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/11/24 12:35	10/15/24 01:20	1
o-Terphenyl	85		70 - 130				10/11/24 12:35	10/15/24 01:20	1

Lab Sample ID: LCS 880-93072/2-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	948.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	143	S1+	70 - 130						

Lab Sample ID: LCSD 880-93072/3-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93072

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	955.4		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1194		mg/Kg		119	70 - 130	3	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-93072/3-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93072

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: 880-49682-A-41-B MS

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93072

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	945.9		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	852.7		mg/Kg		85	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	111		70 - 130							
o-Terphenyl	98		70 - 130							

Lab Sample ID: 880-49682-A-41-C MSD

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93072

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	866.0		mg/Kg		87	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	864.7		mg/Kg		86	70 - 130	1	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	110		70 - 130									
o-Terphenyl	98		70 - 130									

Lab Sample ID: MB 880-93129/1-A

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93129

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1		
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	112		70 - 130				10/11/24 15:40	10/14/24 09:54	1		
o-Terphenyl	92		70 - 130				10/11/24 15:40	10/14/24 09:54	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-93129/2-A

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		98					
o-Terphenyl		133	S1+				

Lab Sample ID: LCSD 880-93129/3-A

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1045		mg/Kg		105	70 - 130	1	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		98							
o-Terphenyl		133	S1+						

Lab Sample ID: 880-49689-A-1-H MS

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	876.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	733.1		mg/Kg		74	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		91							
o-Terphenyl		79							

Lab Sample ID: 880-49689-A-1-I MSD

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1027		mg/Kg		103	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	806.5		mg/Kg		81	70 - 130	10	20
		MSD	MSD								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		104									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49689-A-1-I MSD

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93129

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	89		70 - 130

Lab Sample ID: MB 880-93134/1-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93134

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 09:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 09:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:55	10/14/24 09:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/24 15:55	10/14/24 09:32	1
<i>o</i> -Terphenyl	96		70 - 130				10/11/24 15:55	10/14/24 09:32	1

Lab Sample ID: LCS 880-93134/2-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	966.8		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1183		mg/Kg		118	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		105		70 - 130			
<i>o</i> -Terphenyl		141	S1+	70 - 130			

Lab Sample ID: LCSD 880-93134/3-A

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.3		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1171		mg/Kg		117	70 - 130	1	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		105		70 - 130					
<i>o</i> -Terphenyl		142	S1+	70 - 130					

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-49696-10 MS

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: BH-2 (2.0')

Prep Type: Total/NA

Prep Batch: 93134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	926.3		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	924.8		mg/Kg		90	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	98		70 - 130						

Lab Sample ID: 880-49696-10 MSD

Matrix: Solid

Analysis Batch: 93281

Client Sample ID: BH-2 (2.0')

Prep Type: Total/NA

Prep Batch: 93134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	906.7		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	902.5		mg/Kg		88	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-93136/1-A

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93136

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		10/11/24 15:57	10/14/24 09:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:57	10/14/24 09:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:57	10/14/24 09:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				10/11/24 15:57	10/14/24 09:32	1
o-Terphenyl	86		70 - 130				10/11/24 15:57	10/14/24 09:32	1

Lab Sample ID: LCS 880-93136/2-A

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	786.6		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	971.7		mg/Kg		97	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-93136/2-A

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93136

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-93136/3-A

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93136

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	884.8		mg/Kg		88	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1146		mg/Kg		115	70 - 130	16	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	151	S1+	70 - 130								

Lab Sample ID: 880-49696-30 MS

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: BH-4 (4.0')

Prep Type: Total/NA

Prep Batch: 93136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	673.2	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	654.6	F1	mg/Kg		65	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: 880-49696-30 MSD

Matrix: Solid

Analysis Batch: 93283

Client Sample ID: BH-4 (4.0')

Prep Type: Total/NA

Prep Batch: 93136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	668.1	F1	mg/Kg		67	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	659.9	F1	mg/Kg		66	70 - 130	1	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	82		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93147/1-A

Matrix: Solid

Analysis Batch: 93217

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			10/14/24 13:32	1

Lab Sample ID: LCS 880-93147/2-A

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.3		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-93147/3-A

Matrix: Solid

Analysis Batch: 93217

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	248	256.9		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-49696-1 MS

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: BH-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29400		12500	40720		mg/Kg		91	90 - 110

Lab Sample ID: 880-49696-1 MSD

Matrix: Solid

Analysis Batch: 93217

Client Sample ID: BH-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29400		12500	41810		mg/Kg		99	90 - 110	3	20

Lab Sample ID: MB 880-93148/1-A

Matrix: Solid

Analysis Batch: 93221

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			10/14/24 12:23	1

Lab Sample ID: LCS 880-93148/2-A

Matrix: Solid

Analysis Batch: 93221

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-93148/3-A

Matrix: Solid

Analysis Batch: 93221

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	237.9		mg/Kg		95	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-49696-10 MS

Matrix: Solid

Analysis Batch: 93221

Client Sample ID: BH-2 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5130	F1	2510	7910	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-49696-10 MSD

Matrix: Solid

Analysis Batch: 93221

Client Sample ID: BH-2 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5130	F1	2510	7902	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: 880-49696-20 MS

Matrix: Solid

Analysis Batch: 93221

Client Sample ID: BH-3 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5790	F1	2530	8701	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 880-49696-20 MSD

Matrix: Solid

Analysis Batch: 93221

Client Sample ID: BH-3 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5790	F1	2530	8722	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: MB 880-93149/1-A

Matrix: Solid

Analysis Batch: 93243

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			10/14/24 15:32	1

Lab Sample ID: LCS 880-93149/2-A

Matrix: Solid

Analysis Batch: 93243

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	238.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-93149/3-A

Matrix: Solid

Analysis Batch: 93243

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	239.7		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-49696-30 MS

Matrix: Solid

Analysis Batch: 93243

Client Sample ID: BH-4 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3160	F1	1240	4675	F1	mg/Kg		122	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-49696-30 MSD										Client Sample ID: BH-4 (4.0')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 93243												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	3160	F1	1240	4668	F1	mg/Kg		122	90 - 110	0	20	

Lab Sample ID: 880-49696-40 MS										Client Sample ID: BH- 3 (24')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 93243												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	118		249	367.8		mg/Kg		100	90 - 110			

Lab Sample ID: 880-49696-40 MSD										Client Sample ID: BH- 3 (24')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 93243												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	118		249	368.4		mg/Kg		101	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 93138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	5035	
880-49696-2	BH-1 (2.0')	Total/NA	Solid	5035	
880-49696-3	BH-1 (4.0')	Total/NA	Solid	5035	
880-49696-4	BH-1 (6.0')	Total/NA	Solid	5035	
880-49696-5	BH-1 (8.0')	Total/NA	Solid	5035	
880-49696-6	BH-1 (10')	Total/NA	Solid	5035	
880-49696-7	BH-1 (12')	Total/NA	Solid	5035	
880-49696-8	BH-1 (14')	Total/NA	Solid	5035	
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	5035	
880-49696-10	BH-2 (2.0')	Total/NA	Solid	5035	
880-49696-11	BH-2 (4.0')	Total/NA	Solid	5035	
880-49696-12	BH-2 (6.0')	Total/NA	Solid	5035	
880-49696-13	BH-2 (8.0')	Total/NA	Solid	5035	
880-49696-14	BH-2 (10')	Total/NA	Solid	5035	
880-49696-15	BH-2 (15')	Total/NA	Solid	5035	
880-49696-16	BH-2 (20')	Total/NA	Solid	5035	
880-49696-17	BH-2 (22')	Total/NA	Solid	5035	
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	5035	
880-49696-20	BH-3 (4.0')	Total/NA	Solid	5035	
MB 880-93138/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93138/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93138/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49696-1 MS	BH-1 (0-1.0')	Total/NA	Solid	5035	
880-49696-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 93139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-21	BH-3 (6.0')	Total/NA	Solid	5035	
880-49696-22	BH-3 (8.0')	Total/NA	Solid	5035	
880-49696-23	BH-3 (10')	Total/NA	Solid	5035	
880-49696-24	BH-3 (15')	Total/NA	Solid	5035	
880-49696-25	BH-3 (20')	Total/NA	Solid	5035	
880-49696-26	BH-3 (22')	Total/NA	Solid	5035	
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	5035	
880-49696-28	BH-4 (2.0')	Total/NA	Solid	5035	
880-49696-29	BH-4 (3.0')	Total/NA	Solid	5035	
880-49696-30	BH-4 (4.0')	Total/NA	Solid	5035	
880-49696-31	BH-4 (5.0')	Total/NA	Solid	5035	
880-49696-32	BH-4 (6.0')	Total/NA	Solid	5035	
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	5035	
880-49696-34	BH-5 (5.0')	Total/NA	Solid	5035	
880-49696-35	BH-5 (10')	Total/NA	Solid	5035	
880-49696-36	BH-5 (15')	Total/NA	Solid	5035	
880-49696-37	BH-5 (16')	Total/NA	Solid	5035	
880-49696-38	BH-1 (16')	Total/NA	Solid	5035	
880-49696-39	BH-2 (24')	Total/NA	Solid	5035	
880-49696-40	BH- 3 (24')	Total/NA	Solid	5035	
MB 880-93139/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93139/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93139/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49696-21 MS	BH-3 (6.0')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 93139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-21 MSD	BH-3 (6.0')	Total/NA	Solid	5035	

Prep Batch: 93140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-41	BH-4 (8.0')	Total/NA	Solid	5035	
880-49696-42	BH-5 (18')	Total/NA	Solid	5035	
MB 880-93140/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49696-41 MS	BH-4 (8.0')	Total/NA	Solid	5035	
880-49696-41 MSD	BH-4 (8.0')	Total/NA	Solid	5035	

Analysis Batch: 93171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-41	BH-4 (8.0')	Total/NA	Solid	8021B	93140
880-49696-42	BH-5 (18')	Total/NA	Solid	8021B	93140
MB 880-93140/5-A	Method Blank	Total/NA	Solid	8021B	93140
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	8021B	93140
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93140
880-49696-41 MS	BH-4 (8.0')	Total/NA	Solid	8021B	93140
880-49696-41 MSD	BH-4 (8.0')	Total/NA	Solid	8021B	93140

Analysis Batch: 93173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-21	BH-3 (6.0')	Total/NA	Solid	8021B	93139
880-49696-22	BH-3 (8.0')	Total/NA	Solid	8021B	93139
880-49696-23	BH-3 (10')	Total/NA	Solid	8021B	93139
880-49696-24	BH-3 (15')	Total/NA	Solid	8021B	93139
880-49696-25	BH-3 (20')	Total/NA	Solid	8021B	93139
880-49696-26	BH-3 (22')	Total/NA	Solid	8021B	93139
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	8021B	93139
880-49696-28	BH-4 (2.0')	Total/NA	Solid	8021B	93139
880-49696-29	BH-4 (3.0')	Total/NA	Solid	8021B	93139
880-49696-30	BH-4 (4.0')	Total/NA	Solid	8021B	93139
880-49696-31	BH-4 (5.0')	Total/NA	Solid	8021B	93139
880-49696-32	BH-4 (6.0')	Total/NA	Solid	8021B	93139
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	8021B	93139
880-49696-34	BH-5 (5.0')	Total/NA	Solid	8021B	93139
880-49696-35	BH-5 (10')	Total/NA	Solid	8021B	93139
880-49696-36	BH-5 (15')	Total/NA	Solid	8021B	93139
880-49696-37	BH-5 (16')	Total/NA	Solid	8021B	93139
880-49696-38	BH-1 (16')	Total/NA	Solid	8021B	93139
880-49696-39	BH-2 (24')	Total/NA	Solid	8021B	93139
880-49696-40	BH- 3 (24')	Total/NA	Solid	8021B	93139
MB 880-93139/5-A	Method Blank	Total/NA	Solid	8021B	93139
LCS 880-93139/1-A	Lab Control Sample	Total/NA	Solid	8021B	93139
LCSD 880-93139/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93139
880-49696-21 MS	BH-3 (6.0')	Total/NA	Solid	8021B	93139
880-49696-21 MSD	BH-3 (6.0')	Total/NA	Solid	8021B	93139

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 93174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	8021B	93138
880-49696-2	BH-1 (2.0')	Total/NA	Solid	8021B	93138
880-49696-3	BH-1 (4.0')	Total/NA	Solid	8021B	93138
880-49696-4	BH-1 (6.0')	Total/NA	Solid	8021B	93138
880-49696-5	BH-1 (8.0')	Total/NA	Solid	8021B	93138
880-49696-6	BH-1 (10')	Total/NA	Solid	8021B	93138
880-49696-7	BH-1 (12')	Total/NA	Solid	8021B	93138
880-49696-8	BH-1 (14')	Total/NA	Solid	8021B	93138
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	8021B	93138
880-49696-10	BH-2 (2.0')	Total/NA	Solid	8021B	93138
880-49696-11	BH-2 (4.0')	Total/NA	Solid	8021B	93138
880-49696-12	BH-2 (6.0')	Total/NA	Solid	8021B	93138
880-49696-13	BH-2 (8.0')	Total/NA	Solid	8021B	93138
880-49696-14	BH-2 (10')	Total/NA	Solid	8021B	93138
880-49696-15	BH-2 (15')	Total/NA	Solid	8021B	93138
880-49696-16	BH-2 (20')	Total/NA	Solid	8021B	93138
880-49696-17	BH-2 (22')	Total/NA	Solid	8021B	93138
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	8021B	93138
880-49696-20	BH-3 (4.0')	Total/NA	Solid	8021B	93138
MB 880-93138/5-A	Method Blank	Total/NA	Solid	8021B	93138
LCS 880-93138/1-A	Lab Control Sample	Total/NA	Solid	8021B	93138
LCSD 880-93138/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93138
880-49696-1 MS	BH-1 (0-1.0')	Total/NA	Solid	8021B	93138
880-49696-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	8021B	93138

Analysis Batch: 93305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-19	BH-3 (2.0')	Total/NA	Solid	8021B	93309
MB 880-93309/5-A	Method Blank	Total/NA	Solid	8021B	93309
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	8021B	93309
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93309
880-49779-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	93309
880-49779-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93309

Prep Batch: 93309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-19	BH-3 (2.0')	Total/NA	Solid	5035	
MB 880-93309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49779-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-49779-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49696-2	BH-1 (2.0')	Total/NA	Solid	Total BTEX	
880-49696-3	BH-1 (4.0')	Total/NA	Solid	Total BTEX	
880-49696-4	BH-1 (6.0')	Total/NA	Solid	Total BTEX	
880-49696-5	BH-1 (8.0')	Total/NA	Solid	Total BTEX	
880-49696-6	BH-1 (10')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 93327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-7	BH-1 (12')	Total/NA	Solid	Total BTEX	
880-49696-8	BH-1 (14')	Total/NA	Solid	Total BTEX	
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49696-10	BH-2 (2.0')	Total/NA	Solid	Total BTEX	
880-49696-11	BH-2 (4.0')	Total/NA	Solid	Total BTEX	
880-49696-12	BH-2 (6.0')	Total/NA	Solid	Total BTEX	
880-49696-13	BH-2 (8.0')	Total/NA	Solid	Total BTEX	
880-49696-14	BH-2 (10')	Total/NA	Solid	Total BTEX	
880-49696-15	BH-2 (15')	Total/NA	Solid	Total BTEX	
880-49696-16	BH-2 (20')	Total/NA	Solid	Total BTEX	
880-49696-17	BH-2 (22')	Total/NA	Solid	Total BTEX	
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49696-19	BH-3 (2.0')	Total/NA	Solid	Total BTEX	
880-49696-20	BH-3 (4.0')	Total/NA	Solid	Total BTEX	
880-49696-21	BH-3 (6.0')	Total/NA	Solid	Total BTEX	
880-49696-22	BH-3 (8.0')	Total/NA	Solid	Total BTEX	
880-49696-23	BH-3 (10')	Total/NA	Solid	Total BTEX	
880-49696-24	BH-3 (15')	Total/NA	Solid	Total BTEX	
880-49696-25	BH-3 (20')	Total/NA	Solid	Total BTEX	
880-49696-26	BH-3 (22')	Total/NA	Solid	Total BTEX	
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49696-28	BH-4 (2.0')	Total/NA	Solid	Total BTEX	
880-49696-29	BH-4 (3.0')	Total/NA	Solid	Total BTEX	
880-49696-30	BH-4 (4.0')	Total/NA	Solid	Total BTEX	
880-49696-31	BH-4 (5.0')	Total/NA	Solid	Total BTEX	
880-49696-32	BH-4 (6.0')	Total/NA	Solid	Total BTEX	
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49696-34	BH-5 (5.0')	Total/NA	Solid	Total BTEX	
880-49696-35	BH-5 (10')	Total/NA	Solid	Total BTEX	
880-49696-36	BH-5 (15')	Total/NA	Solid	Total BTEX	
880-49696-37	BH-5 (16')	Total/NA	Solid	Total BTEX	
880-49696-38	BH-1 (16')	Total/NA	Solid	Total BTEX	
880-49696-39	BH-2 (24')	Total/NA	Solid	Total BTEX	
880-49696-40	BH- 3 (24')	Total/NA	Solid	Total BTEX	
880-49696-41	BH-4 (8.0')	Total/NA	Solid	Total BTEX	
880-49696-42	BH-5 (18')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-3	BH-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-49696-4	BH-1 (6.0')	Total/NA	Solid	8015NM Prep	
880-49696-5	BH-1 (8.0')	Total/NA	Solid	8015NM Prep	
880-49696-6	BH-1 (10')	Total/NA	Solid	8015NM Prep	
880-49696-7	BH-1 (12')	Total/NA	Solid	8015NM Prep	
880-49696-8	BH-1 (14')	Total/NA	Solid	8015NM Prep	
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-93072/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93072/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93072/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 93072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49682-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49682-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 93129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49696-2	BH-1 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49689-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49689-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 93134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-10	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-49696-11	BH-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-49696-12	BH-2 (6.0')	Total/NA	Solid	8015NM Prep	
880-49696-13	BH-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-49696-14	BH-2 (10')	Total/NA	Solid	8015NM Prep	
880-49696-15	BH-2 (15')	Total/NA	Solid	8015NM Prep	
880-49696-16	BH-2 (20')	Total/NA	Solid	8015NM Prep	
880-49696-17	BH-2 (22')	Total/NA	Solid	8015NM Prep	
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49696-19	BH-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-49696-20	BH-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-49696-21	BH-3 (6.0')	Total/NA	Solid	8015NM Prep	
880-49696-22	BH-3 (8.0')	Total/NA	Solid	8015NM Prep	
880-49696-23	BH-3 (10')	Total/NA	Solid	8015NM Prep	
880-49696-24	BH-3 (15')	Total/NA	Solid	8015NM Prep	
880-49696-25	BH-3 (20')	Total/NA	Solid	8015NM Prep	
880-49696-26	BH-3 (22')	Total/NA	Solid	8015NM Prep	
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49696-28	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-49696-29	BH-4 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-93134/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93134/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49696-10 MS	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-49696-10 MSD	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 93136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-30	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-49696-31	BH-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-49696-32	BH-4 (6.0')	Total/NA	Solid	8015NM Prep	
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49696-34	BH-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-49696-35	BH-5 (10')	Total/NA	Solid	8015NM Prep	
880-49696-36	BH-5 (15')	Total/NA	Solid	8015NM Prep	
880-49696-37	BH-5 (16')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 93136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-38	BH-1 (16')	Total/NA	Solid	8015NM Prep	
880-49696-39	BH-2 (24')	Total/NA	Solid	8015NM Prep	
880-49696-40	BH- 3 (24')	Total/NA	Solid	8015NM Prep	
880-49696-41	BH-4 (8.0')	Total/NA	Solid	8015NM Prep	
880-49696-42	BH-5 (18')	Total/NA	Solid	8015NM Prep	
MB 880-93136/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93136/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49696-30 MS	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-49696-30 MSD	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	8015B NM	93129
880-49696-2	BH-1 (2.0')	Total/NA	Solid	8015B NM	93129
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015B NM	93129
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93129
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93129
880-49689-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	93129
880-49689-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93129

Analysis Batch: 93281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-3	BH-1 (4.0')	Total/NA	Solid	8015B NM	93072
880-49696-4	BH-1 (6.0')	Total/NA	Solid	8015B NM	93072
880-49696-5	BH-1 (8.0')	Total/NA	Solid	8015B NM	93072
880-49696-6	BH-1 (10')	Total/NA	Solid	8015B NM	93072
880-49696-7	BH-1 (12')	Total/NA	Solid	8015B NM	93072
880-49696-8	BH-1 (14')	Total/NA	Solid	8015B NM	93072
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	8015B NM	93072
880-49696-10	BH-2 (2.0')	Total/NA	Solid	8015B NM	93134
880-49696-11	BH-2 (4.0')	Total/NA	Solid	8015B NM	93134
880-49696-12	BH-2 (6.0')	Total/NA	Solid	8015B NM	93134
880-49696-13	BH-2 (8.0')	Total/NA	Solid	8015B NM	93134
880-49696-14	BH-2 (10')	Total/NA	Solid	8015B NM	93134
880-49696-15	BH-2 (15')	Total/NA	Solid	8015B NM	93134
880-49696-16	BH-2 (20')	Total/NA	Solid	8015B NM	93134
880-49696-17	BH-2 (22')	Total/NA	Solid	8015B NM	93134
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	8015B NM	93134
880-49696-19	BH-3 (2.0')	Total/NA	Solid	8015B NM	93134
880-49696-20	BH-3 (4.0')	Total/NA	Solid	8015B NM	93134
880-49696-21	BH-3 (6.0')	Total/NA	Solid	8015B NM	93134
880-49696-22	BH-3 (8.0')	Total/NA	Solid	8015B NM	93134
880-49696-23	BH-3 (10')	Total/NA	Solid	8015B NM	93134
880-49696-24	BH-3 (15')	Total/NA	Solid	8015B NM	93134
880-49696-25	BH-3 (20')	Total/NA	Solid	8015B NM	93134
880-49696-26	BH-3 (22')	Total/NA	Solid	8015B NM	93134
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	8015B NM	93134
880-49696-28	BH-4 (2.0')	Total/NA	Solid	8015B NM	93134
880-49696-29	BH-4 (3.0')	Total/NA	Solid	8015B NM	93134
MB 880-93072/1-A	Method Blank	Total/NA	Solid	8015B NM	93072

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 93281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93134/1-A	Method Blank	Total/NA	Solid	8015B NM	93134
LCS 880-93072/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93072
LCS 880-93134/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93134
LCSD 880-93072/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93072
LCSD 880-93134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93134
880-49682-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	93072
880-49682-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93072
880-49696-10 MS	BH-2 (2.0')	Total/NA	Solid	8015B NM	93134
880-49696-10 MSD	BH-2 (2.0')	Total/NA	Solid	8015B NM	93134

Analysis Batch: 93283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-30	BH-4 (4.0')	Total/NA	Solid	8015B NM	93136
880-49696-31	BH-4 (5.0')	Total/NA	Solid	8015B NM	93136
880-49696-32	BH-4 (6.0')	Total/NA	Solid	8015B NM	93136
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	8015B NM	93136
880-49696-34	BH-5 (5.0')	Total/NA	Solid	8015B NM	93136
880-49696-35	BH-5 (10')	Total/NA	Solid	8015B NM	93136
880-49696-36	BH-5 (15')	Total/NA	Solid	8015B NM	93136
880-49696-37	BH-5 (16')	Total/NA	Solid	8015B NM	93136
880-49696-38	BH-1 (16')	Total/NA	Solid	8015B NM	93136
880-49696-39	BH-2 (24')	Total/NA	Solid	8015B NM	93136
880-49696-40	BH- 3 (24')	Total/NA	Solid	8015B NM	93136
880-49696-41	BH-4 (8.0')	Total/NA	Solid	8015B NM	93136
880-49696-42	BH-5 (18')	Total/NA	Solid	8015B NM	93136
MB 880-93136/1-A	Method Blank	Total/NA	Solid	8015B NM	93136
LCS 880-93136/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93136
LCSD 880-93136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93136
880-49696-30 MS	BH-4 (4.0')	Total/NA	Solid	8015B NM	93136
880-49696-30 MSD	BH-4 (4.0')	Total/NA	Solid	8015B NM	93136

Analysis Batch: 93380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-49696-2	BH-1 (2.0')	Total/NA	Solid	8015 NM	
880-49696-3	BH-1 (4.0')	Total/NA	Solid	8015 NM	
880-49696-4	BH-1 (6.0')	Total/NA	Solid	8015 NM	
880-49696-5	BH-1 (8.0')	Total/NA	Solid	8015 NM	
880-49696-6	BH-1 (10')	Total/NA	Solid	8015 NM	
880-49696-7	BH-1 (12')	Total/NA	Solid	8015 NM	
880-49696-8	BH-1 (14')	Total/NA	Solid	8015 NM	
880-49696-9	BH-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-49696-10	BH-2 (2.0')	Total/NA	Solid	8015 NM	
880-49696-11	BH-2 (4.0')	Total/NA	Solid	8015 NM	
880-49696-12	BH-2 (6.0')	Total/NA	Solid	8015 NM	
880-49696-13	BH-2 (8.0')	Total/NA	Solid	8015 NM	
880-49696-14	BH-2 (10')	Total/NA	Solid	8015 NM	
880-49696-15	BH-2 (15')	Total/NA	Solid	8015 NM	
880-49696-16	BH-2 (20')	Total/NA	Solid	8015 NM	
880-49696-17	BH-2 (22')	Total/NA	Solid	8015 NM	
880-49696-18	BH-3 (0-1.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 93380 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-19	BH-3 (2.0')	Total/NA	Solid	8015 NM	
880-49696-20	BH-3 (4.0')	Total/NA	Solid	8015 NM	
880-49696-21	BH-3 (6.0')	Total/NA	Solid	8015 NM	
880-49696-22	BH-3 (8.0')	Total/NA	Solid	8015 NM	
880-49696-23	BH-3 (10')	Total/NA	Solid	8015 NM	
880-49696-24	BH-3 (15')	Total/NA	Solid	8015 NM	
880-49696-25	BH-3 (20')	Total/NA	Solid	8015 NM	
880-49696-26	BH-3 (22')	Total/NA	Solid	8015 NM	
880-49696-27	BH-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-49696-28	BH-4 (2.0')	Total/NA	Solid	8015 NM	
880-49696-29	BH-4 (3.0')	Total/NA	Solid	8015 NM	
880-49696-30	BH-4 (4.0')	Total/NA	Solid	8015 NM	
880-49696-31	BH-4 (5.0')	Total/NA	Solid	8015 NM	
880-49696-32	BH-4 (6.0')	Total/NA	Solid	8015 NM	
880-49696-33	BH-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-49696-34	BH-5 (5.0')	Total/NA	Solid	8015 NM	
880-49696-35	BH-5 (10')	Total/NA	Solid	8015 NM	
880-49696-36	BH-5 (15')	Total/NA	Solid	8015 NM	
880-49696-37	BH-5 (16')	Total/NA	Solid	8015 NM	
880-49696-38	BH-1 (16')	Total/NA	Solid	8015 NM	
880-49696-39	BH-2 (24')	Total/NA	Solid	8015 NM	
880-49696-40	BH- 3 (24')	Total/NA	Solid	8015 NM	
880-49696-41	BH-4 (8.0')	Total/NA	Solid	8015 NM	
880-49696-42	BH-5 (18')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49696-2	BH-1 (2.0')	Soluble	Solid	DI Leach	
880-49696-3	BH-1 (4.0')	Soluble	Solid	DI Leach	
880-49696-4	BH-1 (6.0')	Soluble	Solid	DI Leach	
880-49696-5	BH-1 (8.0')	Soluble	Solid	DI Leach	
880-49696-6	BH-1 (10')	Soluble	Solid	DI Leach	
880-49696-7	BH-1 (12')	Soluble	Solid	DI Leach	
880-49696-8	BH-1 (14')	Soluble	Solid	DI Leach	
880-49696-9	BH-2 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-93147/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93147/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93147/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49696-1 MS	BH-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49696-1 MSD	BH-1 (0-1.0')	Soluble	Solid	DI Leach	

Leach Batch: 93148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-10	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-49696-11	BH-2 (4.0')	Soluble	Solid	DI Leach	
880-49696-12	BH-2 (6.0')	Soluble	Solid	DI Leach	
880-49696-13	BH-2 (8.0')	Soluble	Solid	DI Leach	
880-49696-14	BH-2 (10')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 93148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-15	BH-2 (15')	Soluble	Solid	DI Leach	
880-49696-16	BH-2 (20')	Soluble	Solid	DI Leach	
880-49696-17	BH-2 (22')	Soluble	Solid	DI Leach	
880-49696-18	BH-3 (0-1.0')	Soluble	Solid	DI Leach	
880-49696-19	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-49696-20	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-49696-21	BH-3 (6.0')	Soluble	Solid	DI Leach	
880-49696-22	BH-3 (8.0')	Soluble	Solid	DI Leach	
880-49696-23	BH-3 (10')	Soluble	Solid	DI Leach	
880-49696-24	BH-3 (15')	Soluble	Solid	DI Leach	
880-49696-25	BH-3 (20')	Soluble	Solid	DI Leach	
880-49696-26	BH-3 (22')	Soluble	Solid	DI Leach	
880-49696-27	BH-4 (0-1.0')	Soluble	Solid	DI Leach	
880-49696-28	BH-4 (2.0')	Soluble	Solid	DI Leach	
880-49696-29	BH-4 (3.0')	Soluble	Solid	DI Leach	
MB 880-93148/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93148/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93148/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49696-10 MS	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-49696-10 MSD	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-49696-20 MS	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-49696-20 MSD	BH-3 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 93149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-30	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-49696-31	BH-4 (5.0')	Soluble	Solid	DI Leach	
880-49696-32	BH-4 (6.0')	Soluble	Solid	DI Leach	
880-49696-33	BH-5 (0-1.0')	Soluble	Solid	DI Leach	
880-49696-34	BH-5 (5.0')	Soluble	Solid	DI Leach	
880-49696-35	BH-5 (10')	Soluble	Solid	DI Leach	
880-49696-36	BH-5 (15')	Soluble	Solid	DI Leach	
880-49696-37	BH-5 (16')	Soluble	Solid	DI Leach	
880-49696-38	BH-1 (16')	Soluble	Solid	DI Leach	
880-49696-39	BH-2 (24')	Soluble	Solid	DI Leach	
880-49696-40	BH- 3 (24')	Soluble	Solid	DI Leach	
880-49696-41	BH-4 (8.0')	Soluble	Solid	DI Leach	
880-49696-42	BH-5 (18')	Soluble	Solid	DI Leach	
MB 880-93149/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93149/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93149/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49696-30 MS	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-49696-30 MSD	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-49696-40 MS	BH- 3 (24')	Soluble	Solid	DI Leach	
880-49696-40 MSD	BH- 3 (24')	Soluble	Solid	DI Leach	

Analysis Batch: 93217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-1	BH-1 (0-1.0')	Soluble	Solid	300.0	93147
880-49696-2	BH-1 (2.0')	Soluble	Solid	300.0	93147
880-49696-3	BH-1 (4.0')	Soluble	Solid	300.0	93147

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 93217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-4	BH-1 (6.0')	Soluble	Solid	300.0	93147
880-49696-5	BH-1 (8.0')	Soluble	Solid	300.0	93147
880-49696-6	BH-1 (10')	Soluble	Solid	300.0	93147
880-49696-7	BH-1 (12')	Soluble	Solid	300.0	93147
880-49696-8	BH-1 (14')	Soluble	Solid	300.0	93147
880-49696-9	BH-2 (0-1.0')	Soluble	Solid	300.0	93147
MB 880-93147/1-A	Method Blank	Soluble	Solid	300.0	93147
LCS 880-93147/2-A	Lab Control Sample	Soluble	Solid	300.0	93147
LCSD 880-93147/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93147
880-49696-1 MS	BH-1 (0-1.0')	Soluble	Solid	300.0	93147
880-49696-1 MSD	BH-1 (0-1.0')	Soluble	Solid	300.0	93147

Analysis Batch: 93221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-10	BH-2 (2.0')	Soluble	Solid	300.0	93148
880-49696-11	BH-2 (4.0')	Soluble	Solid	300.0	93148
880-49696-12	BH-2 (6.0')	Soluble	Solid	300.0	93148
880-49696-13	BH-2 (8.0')	Soluble	Solid	300.0	93148
880-49696-14	BH-2 (10')	Soluble	Solid	300.0	93148
880-49696-15	BH-2 (15')	Soluble	Solid	300.0	93148
880-49696-16	BH-2 (20')	Soluble	Solid	300.0	93148
880-49696-17	BH-2 (22')	Soluble	Solid	300.0	93148
880-49696-18	BH-3 (0-1.0')	Soluble	Solid	300.0	93148
880-49696-19	BH-3 (2.0')	Soluble	Solid	300.0	93148
880-49696-20	BH-3 (4.0')	Soluble	Solid	300.0	93148
880-49696-21	BH-3 (6.0')	Soluble	Solid	300.0	93148
880-49696-22	BH-3 (8.0')	Soluble	Solid	300.0	93148
880-49696-23	BH-3 (10')	Soluble	Solid	300.0	93148
880-49696-24	BH-3 (15')	Soluble	Solid	300.0	93148
880-49696-25	BH-3 (20')	Soluble	Solid	300.0	93148
880-49696-26	BH-3 (22')	Soluble	Solid	300.0	93148
880-49696-27	BH-4 (0-1.0')	Soluble	Solid	300.0	93148
880-49696-28	BH-4 (2.0')	Soluble	Solid	300.0	93148
880-49696-29	BH-4 (3.0')	Soluble	Solid	300.0	93148
MB 880-93148/1-A	Method Blank	Soluble	Solid	300.0	93148
LCS 880-93148/2-A	Lab Control Sample	Soluble	Solid	300.0	93148
LCSD 880-93148/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93148
880-49696-10 MS	BH-2 (2.0')	Soluble	Solid	300.0	93148
880-49696-10 MSD	BH-2 (2.0')	Soluble	Solid	300.0	93148
880-49696-20 MS	BH-3 (4.0')	Soluble	Solid	300.0	93148
880-49696-20 MSD	BH-3 (4.0')	Soluble	Solid	300.0	93148

Analysis Batch: 93243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-30	BH-4 (4.0')	Soluble	Solid	300.0	93149
880-49696-31	BH-4 (5.0')	Soluble	Solid	300.0	93149
880-49696-32	BH-4 (6.0')	Soluble	Solid	300.0	93149
880-49696-33	BH-5 (0-1.0')	Soluble	Solid	300.0	93149
880-49696-34	BH-5 (5.0')	Soluble	Solid	300.0	93149
880-49696-35	BH-5 (10')	Soluble	Solid	300.0	93149
880-49696-36	BH-5 (15')	Soluble	Solid	300.0	93149

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 93243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-37	BH-5 (16')	Soluble	Solid	300.0	93149
880-49696-38	BH-1 (16')	Soluble	Solid	300.0	93149
880-49696-39	BH-2 (24')	Soluble	Solid	300.0	93149
880-49696-40	BH- 3 (24')	Soluble	Solid	300.0	93149
880-49696-41	BH-4 (8.0')	Soluble	Solid	300.0	93149
880-49696-42	BH-5 (18')	Soluble	Solid	300.0	93149
MB 880-93149/1-A	Method Blank	Soluble	Solid	300.0	93149
LCS 880-93149/2-A	Lab Control Sample	Soluble	Solid	300.0	93149
LCSD 880-93149/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93149
880-49696-30 MS	BH-4 (4.0')	Soluble	Solid	300.0	93149
880-49696-30 MSD	BH-4 (4.0')	Soluble	Solid	300.0	93149
880-49696-40 MS	BH- 3 (24')	Soluble	Solid	300.0	93149
880-49696-40 MSD	BH- 3 (24')	Soluble	Solid	300.0	93149

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-1
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	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 16:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		50			93217	10/14/24 15:46	CH	EET MID

Client Sample ID: BH-1 (2.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 13:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 16:42	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		10			93217	10/14/24 16:07	CH	EET MID

Client Sample ID: BH-1 (4.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 13:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 06:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 06:12	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		10			93217	10/14/24 16:14	CH	EET MID

Client Sample ID: BH-1 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 14:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (6.0')

Lab Sample ID: 880-49696-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			93380	10/15/24 06:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 06:26	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		20			93217	10/14/24 16:42	CH	EET MID

Client Sample ID: BH-1 (8.0')

Lab Sample ID: 880-49696-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 06:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 06:42	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		10			93217	10/14/24 16:49	CH	EET MID

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-49696-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 15:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 06:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 06:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		10			93217	10/14/24 16:56	CH	EET MID

Client Sample ID: BH-1 (12')

Lab Sample ID: 880-49696-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 15:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 07:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 07:11	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-1 (12')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 17:02	CH	EET MID

Client Sample ID: BH-1 (14')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 09:17	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		1			93217	10/14/24 17:09	CH	EET MID

Client Sample ID: BH-2 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93072	10/11/24 12:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 09:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93147	10/11/24 16:44	SA	EET MID
Soluble	Analysis	300.0		50			93217	10/14/24 17:16	CH	EET MID

Client Sample ID: BH-2 (2.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 16:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 18:36	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 12:39	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (4.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 18:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 19:21	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 12:55	CH	EET MID

Client Sample ID: BH-2 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 19:35	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 13:00	CH	EET MID

Client Sample ID: BH-2 (8.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 19:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5			93221	10/14/24 13:06	CH	EET MID

Client Sample ID: BH-2 (10')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (10')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 20:05	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1			93221	10/14/24 13:11	CH	EET MID

Client Sample ID: BH-2 (15')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 20:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 20:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 20:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 13:27	CH	EET MID

Client Sample ID: BH-2 (20')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 20:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 20:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1			93221	10/14/24 13:33	CH	EET MID

Client Sample ID: BH-2 (22')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 21:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 20:50	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-2 (22')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-17
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			4.96 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1			93221	10/14/24 13:38	CH	EET MID

Client Sample ID: BH-3 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-18
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			4.95 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 21:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 21:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 21:05	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		50			93221	10/14/24 13:44	CH	EET MID

Client Sample ID: BH-3 (2.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/15/24 19:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 21:20	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 13:49	CH	EET MID

Client Sample ID: BH-3 (4.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93138	10/11/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93174	10/14/24 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 22:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 13:54	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-21
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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 14:11	CH	EET MID

Client Sample ID: BH-3 (8.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 22:21	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 14:16	CH	EET MID

Client Sample ID: BH-3 (10')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 22:35	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 14:32	CH	EET MID

Client Sample ID: BH-3 (15')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 13:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-3 (15')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 22:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5			93221	10/14/24 14:38	CH	EET MID

Client Sample ID: BH-3 (20')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 23:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 23:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1			93221	10/14/24 14:43	CH	EET MID

Client Sample ID: BH-3 (22')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 23:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1			93221	10/14/24 14:49	CH	EET MID

Client Sample ID: BH-4 (0-1.0')

Date Collected: 10/10/24 00:00

Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 23:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 23:35	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		20			93221	10/14/24 14:54	CH	EET MID

Client Sample ID: BH-4 (2.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/14/24 23:49	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10			93221	10/14/24 14:59	CH	EET MID

Client Sample ID: BH-4 (3.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 14:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/15/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93134	10/11/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93281	10/15/24 00:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93148	10/11/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5			93221	10/14/24 15:05	CH	EET MID

Client Sample ID: BH-4 (4.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-30
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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 18:36	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5			93243	10/14/24 15:48	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (5.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 19:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5			93243	10/14/24 16:04	CH	EET MID

Client Sample ID: BH-4 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-32
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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 19:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:10	CH	EET MID

Client Sample ID: BH-5 (0-1.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 19:50	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		50			93243	10/14/24 16:15	CH	EET MID

Client Sample ID: BH-5 (5.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 17:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-49696-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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			93380	10/14/24 20:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 20:05	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:20	CH	EET MID

Client Sample ID: BH-5 (10')

Lab Sample ID: 880-49696-35

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 20:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:37	CH	EET MID

Client Sample ID: BH-5 (15')

Lab Sample ID: 880-49696-36

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 20:35	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:42	CH	EET MID

Client Sample ID: BH-5 (16')

Lab Sample ID: 880-49696-37

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 20:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 20:50	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-5 (16')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-37
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			5.03 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:47	CH	EET MID

Client Sample ID: BH-1 (16')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 21:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:53	CH	EET MID

Client Sample ID: BH-2 (24')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 21:20	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 16:58	CH	EET MID

Client Sample ID: BH- 3 (24')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93139	10/11/24 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93173	10/14/24 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 19:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 17:04	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Client Sample ID: BH-4 (8.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-41
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	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 17:20	CH	EET MID

Client Sample ID: BH-5 (18')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49696-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93140	10/11/24 16:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93171	10/14/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93327	10/14/24 12:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			93380	10/14/24 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93136	10/11/24 15:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93283	10/14/24 22:21	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93149	10/11/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93243	10/14/24 17:25	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Yukon Gold 31-19 Fed Com 212H

Job ID: 880-49696-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49696-1	BH-1 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-2	BH-1 (2.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-3	BH-1 (4.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-4	BH-1 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-5	BH-1 (8.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-6	BH-1 (10')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-7	BH-1 (12')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-8	BH-1 (14')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-9	BH-2 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-10	BH-2 (2.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-11	BH-2 (4.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-12	BH-2 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-13	BH-2 (8.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-14	BH-2 (10')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-15	BH-2 (15')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-16	BH-2 (20')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-17	BH-2 (22')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-18	BH-3 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-19	BH-3 (2.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-20	BH-3 (4.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-21	BH-3 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-22	BH-3 (8.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-23	BH-3 (10')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-24	BH-3 (15')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-25	BH-3 (20')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-26	BH-3 (22')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-27	BH-4 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-28	BH-4 (2.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-29	BH-4 (3.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-30	BH-4 (4.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-31	BH-4 (5.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-32	BH-4 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-33	BH-5 (0-1.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-34	BH-5 (5.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-35	BH-5 (10')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-36	BH-5 (15')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-37	BH-5 (16')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-38	BH-1 (16')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-39	BH-2 (24')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-40	BH- 3 (24')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-41	BH-4 (8.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49696-42	BH-5 (18')	Solid	10/10/24 00:00	10/11/24 14:05

Chain of Custody



880-49696 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Yukon Gold 31-19 Fed Com 212H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:		2539		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015W (GRO + DRO + MRO)	Chloride 300.0	HOLD	None: NO		DI Water: H ₂ O											
Project Location		Eddy County, NM		Due Date:								Normal		Cool: Cool		MeOH: Me									
Sampler's Name:		IR												HCL: HC		HNO ₃ : HN									
PO #:														H ₂ SO ₄ : H ₂		NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		T-25		H ₃ PO ₄ : HP		NaHSO ₄ : NABIS											
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:		-1		Temperature Reading:		-4.2		Na ₂ S ₂ O ₃ : NaSO ₃		Zn Acetate+NaOH: Zn											
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Corrected Temperature:		-4.3						NaOH+Ascorbic Acid: SAPC													
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																							
Total Containers:																									
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont																	Sample Comments	
BH-1 (0-1.0')		10/10/2024		X		G	1	X	X	X															
BH-1 (2.0')		10/10/2024		X		G	1	X	X	X															
BH-1 (4.0')		10/10/2024		X		G	1	X	X	X															
BH-1 (6.0')		10/10/2024		X		G	1	X	X	X															
BH-1 (8.0')		10/10/2024		X		G	1	X	X	X															
BH-1 (10')		10/10/2024		X		G	1	X	X	X															
BH-1 (12')		10/10/2024		X		G	1	X	X	X															
BH-1 (14')		10/10/2024		X		G	1	X	X	X															
BH-2 (0-1.0')		10/10/2024		X		G	1	X	X	X															
BH-2 (2.0')		10/10/2024		X		G	1	X	X	X															

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		2		10/11/24 1405		3		4			
3		4				5		6			
5		6									



Revised Date 05012020 Rev. 2020.1

Work Order No: 074

694

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>			
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>			

--

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		10/11/24 1435	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

Work Order No: 694

Page 3 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Yukon Gold 31-19 Fed Com 212H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2539		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location:		Eddy County, NM		Due Date:		Normal														Cool: Cool MeOH: Me							
Sampler's Name:		IR																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP					
Received Intact:		Yes No		N/A		Thermometer ID:																NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes No		N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes No		N/A		Temperature Reading:																Zn Acetate+NaOH: Zn					
Total Containers:						Corrected Temperature:																NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
BH-3 (6.0')		10/10/2024				X				G		1		X X X													
BH-3 (8.0')		10/10/2024				X				G		1		X X X													
BH-3 (10')		10/10/2024				X				G		1		X X X													
BH-3 (15')		10/10/2024				X				G		1		X X X													
BH-3 (20')		10/10/2024				X				G		1		X X X													
BH-3 (22')		10/10/2024				X				G		1		X X X													
BH-4 (0-1.0')		10/10/2024				X				G		1		X X X													
BH-4 (2.0')		10/10/2024				X				G		1		X X X													
BH-4 (3.0')		10/10/2024				X				G		1		X X X													
BH-4 (4.0')		10/10/2024				X				G		1		X X X													

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

--	--	--	--	--	--

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		2		10/11/24 1405		3		4			
3						4					
5						6					

Chain of Custody

Work Order No: 6094

Page 4 of 5

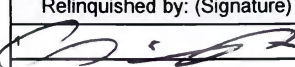

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Yukon Gold 31-19 Fed Com 212H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:		2539		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC															
Project Location:		Eddy County, NM		Due Date:								Normal															
Sampler's Name:		IR																									
PO #:																											
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																			
Received Intact:		Yes No		N/A		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																	Sample Comments			
BH-4 (5.0')		10/10/2024		X		G	1	X	X	X																	
BH-4 (6.0')		10/10/2024		X		G	1	X	X	X																	
BH-5 (0-1.0')		10/10/2024		X		G	1	X	X	X																	
BH-5 (5.0')		10/10/2024		X		G	1	X	X	X																	
BH-5 (10')		10/10/2024		X		G	1	X	X	X																	
BH-5 (15')		10/10/2024		X		G	1	X	X	X																	
BH-5 (16')		10/10/2024		X		G	1	X	X	X																	
BH-1 (16')		10/10/2024		X		G	1	X	X	X														X	*HOLD*		
BH-2 (24')		10/10/2024		X		G	1	X	X	X														X	*HOLD*		
BH-3 (24')		10/10/2024		X		G	1	X	X	X														X	*HOLD*		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

--	--	--	--	--	--

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10/11/24 1405			
3					
5					

Work Order No: 0902

694

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"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49696-1
SDG Number: Eddy County, NM

Login Number: 49696

List Number: 1

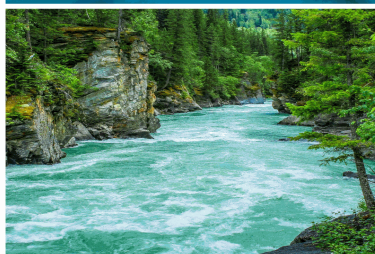
Creator: Vasquez, Julisa

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	

Report to:

Ashton Thielke



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Yukon Gold 31-19 Fed Com 212H

Work Order: E504244

Job Number: 01058-0007

Received: 4/24/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/28/25



Ashton Thielke
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Workorder: E504244
Date Received: 4/24/2025 7:15:00AM

Ashton Thielke,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Yukon Gold 31-19 Fed Com 212H.

The analytical test results summarized in this report with the Project Name: Yukon Gold 31-19 Fed Com 212H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-1 (1.5')	6
CS-2 (1.5')	7
CS-3 (1.5')	8
CS-4 (1.5')	9
CS-5 (1.5')	10
CS-6 (1.5')	11
CS-7 (1.5')	12
CS-8 (1.5')	13
CS-9 (1.5')	14
CS-10 (1.5')	15
CS-11 (1.5')	16
CS-12 (1.5')	17
SW-1 (1.5')	18
SW-2 (1.5')	19
SW-3 (1.5')	20
SW-4 (1.5')	21
QC Summary Data	22
QC - Volatile Organics by EPA 8021B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Yukon Gold 31-19 Fed Com 212H Project Number: 01058-0007 Project Manager: Ashton Thielke	Reported: 04/28/25 14:38
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 (1.5')	E504244-01A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-2 (1.5')	E504244-02A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-3 (1.5')	E504244-03A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-4 (1.5')	E504244-04A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-5 (1.5')	E504244-05A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-6 (1.5')	E504244-06A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-7 (1.5')	E504244-07A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-8 (1.5')	E504244-08A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-9 (1.5')	E504244-09A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-10 (1.5')	E504244-10A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-11 (1.5')	E504244-11A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
CS-12 (1.5')	E504244-12A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
SW-1 (1.5')	E504244-13A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
SW-2 (1.5')	E504244-14A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
SW-3 (1.5')	E504244-15A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.
SW-4 (1.5')	E504244-16A	Soil	04/23/25	04/24/25	Glass Jar, 2 oz.



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-1 (1.5')

E504244-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.5 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>	94.6 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	2000	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-2 (1.5')

E504244-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.3 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	94.4 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	4270	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-3 (1.5')

E504244-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.5 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	3230	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-4 (1.5')

E504244-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.5 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	96.1 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	1070	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-5 (1.5')

E504244-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.1 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	4830	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-6 (1.5')

E504244-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	3100	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-7 (1.5')

E504244-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.2 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	4710	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-8 (1.5')

E504244-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-9 (1.5')

E504244-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	4560	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-10 (1.5')

E504244-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517079
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
Surrogate: 4-Bromochlorobenzene-PID	86.5 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517079
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2517086
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
Surrogate: n-Nonane	95.3 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2517084
Chloride	27.7	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-11 (1.5')

E504244-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	94.2 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	22.1	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

CS-12 (1.5')

E504244-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517079
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517079
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2517086
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	92.5 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2517084
Chloride	3240	40.0	2	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

SW-1 (1.5')

E504244-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.8 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	93.8 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

SW-2 (1.5')

E504244-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	97.5 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

SW-3 (1.5')

E504244-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.1 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/28/2025 2:38:37PM

SW-4 (1.5')

E504244-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.0 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517086	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/24/25	
<i>Surrogate: n-Nonane</i>						
	94.5 %	61-141		04/24/25	04/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	20.7	20.0	1	04/24/25	04/24/25	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Yukon Gold 31-19 Fed Com 212H Project Number: 01058-0007 Project Manager: Ashton Thielke	Reported: 4/28/2025 2:38:37PM
---	--	----------------------------------

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517079-BLK1)

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			

LCS (2517079-BS1)

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	5.31	0.0250	5.00		106	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.9	70-130			

Matrix Spike (2517079-MS1)

Source: E504244-05

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	5.33	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.32	0.0250	5.00	ND	106	70-130			
o-Xylene	5.20	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.72		8.00		84.0	70-130			

Matrix Spike Dup (2517079-MSD1)

Source: E504244-05

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	5.18	0.0250	5.00	ND	104	70-130	2.90	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	2.98	26	
Toluene	5.16	0.0250	5.00	ND	103	70-130	3.04	20	
o-Xylene	5.06	0.0250	5.00	ND	101	70-130	2.68	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	2.79	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	2.75	26	
Surrogate: 4-Bromochlorobenzene-PID	6.74		8.00		84.2	70-130			



QC Summary Data

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Ashton Thielke	4/28/2025 2:38:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517079-BLK1) Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

LCS (2517079-BS2) Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2517079-MS2) Source: E504244-05 Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2517079-MSD2) Source: E504244-05 Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	10.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Ashton Thielke	4/28/2025 2:38:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517086-BLK1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

LCS (2517086-BS1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	46.0		50.0		92.0	61-141			

Matrix Spike (2517086-MS1)					Source: E504244-04		Prepared: 04/24/25 Analyzed: 04/24/25		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	47.1		50.0		94.3	61-141			

Matrix Spike Dup (2517086-MSD1)					Source: E504244-04		Prepared: 04/24/25 Analyzed: 04/24/25		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	56-156	1.28	20	
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			



QC Summary Data

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Ashton Thielke	4/28/2025 2:38:37PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2517084-BLK1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	ND	20.0							
LCS (2517084-BS1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2517084-MS1)					Source: E504244-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	3260	40.0	250	3230	14.6	80-120			M4
Matrix Spike Dup (2517084-MSD1)					Source: E504244-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	3320	40.0	250	3230	36.7	80-120	1.68	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Ashton Thielke	04/28/25 14:38

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Work Order No: E504244
 Job # 0058-0007

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Jim Raley
Company Name:	Carmona Resources	Company Name:	Devon Energy
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	jim.raley@devon.com

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"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Yukon Gold 31-19 Fed Com 212H		Turn Around		ANALYSIS REQUEST														Preservative Codes					
Project Number:		2539		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																None: NO DI Water: H ₂ O			
Project Location		Eddy County, NM		Due Date:		72 Hour		Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300		HOLD														Cool: Cool MeOH: Me	
Sampler's Name:		KR																						HCL: HC HNO ₃ : HN	
PO #:																								H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:																		Yes No	
Received Intact:		Yes No		Thermometer ID:						NaHSO ₄ : NABIS															
Cooler Custody Seals:		Yes No N/A		Correction Factor:						Na ₂ S ₂ O ₃ : NaSO ₃															
Sample Custody Seals:		Yes No N/A		Temperature Reading:						Zn Acetate+NaOH: Zn															
Total Containers:				Corrected Temperature:						NaOH+Ascorbic Acid: SAPC															
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont															Sample Comments			
CS-1 (1.5')		4/23/2025		X		Comp	1	X	X	X								1	4.4						
CS-2 (1.5')		4/23/2025		X		Comp	1	X	X	X								2	3.4						
CS-3 (1.5')		4/23/2025		X		Comp	1	X	X	X								3	3.6						
CS-4 (1.5')		4/23/2025		X		Comp	1	X	X	X								4	2.6						
CS-5 (1.5')		4/23/2025		X		Comp	1	X	X	X								5	2.9						
CS-6 (1.5')		4/23/2025		X		Comp	1	X	X	X								6	3.8						
CS-7 (1.5')		4/23/2025		X		Comp	1	X	X	X								7	2.8						
CS-8 (1.5')		4/23/2025		X		Comp	1	X	X	X								8	3.3						
CS-9 (1.5')		4/23/2025		X		Comp	1	X	X	X								9	3.1						
CS-10 (1.5')		4/23/2025		X		Comp	1	X	X	X								10	2.9						

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Riley Plogger</i>	<i>Michelle Gonzales</i>	4-23-25 1540	<i>Michelle Gonzales</i>	<i>Michelle Gonzales</i>	4-23-25 1540
<i>Michelle Gonzales</i>		4-23-25 2200		<i>Michelle Gonzales</i>	4-24-25 715

Revised Date 05/12/2020 Rev. 2020.1

Work Order No: E504244
Job # 01058-0007

Page 2 of 2

[illegible]

Envirotech Analytical Laboratory

Printed: 4/24/2025 1:46:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	04/24/25 07:15	Work Order ID:	E504244
Phone:	(432) 813-6823	Date Logged In:	04/24/25 07:13	Logged In By:	Caitlin Mars
Email:		Due Date:	04/28/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC. Time sampled not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature:

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab:

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

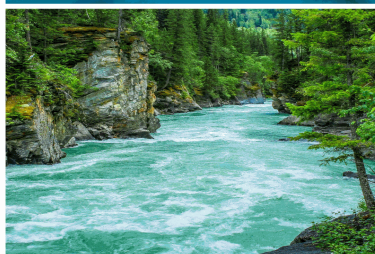
Date



envirotech Inc.

Report to:

Ashton Thielke



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Yukon Gold 31-19 Fed Com 212H

Work Order: E504253

Job Number: 01058-0007

Received: 4/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/29/25



Ashton Thielke
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Workorder: E504253
Date Received: 4/25/2025 8:15:00AM

Ashton Thielke,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/25/2025 8:15:00AM, under the Project Name: Yukon Gold 31-19 Fed Com 212H.

The analytical test results summarized in this report with the Project Name: Yukon Gold 31-19 Fed Com 212H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS-13 (1.5')	5
CS-14 (1.5')	6
SW-5 (1.5')	7
SW-6 (1.5')	8
SW-7 (1.5')	9
SW-8 (1.5')	10
SW-9 (1.5')	11
SW-10 (1.5')	12
SW-11 (1.5')	13
SW-12 (1.5')	14
SW-13 (1.5')	15
SW-14 (1.5')	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Yukon Gold 31-19 Fed Com 212H Project Number: 01058-0007 Project Manager: Ashton Thielke	Reported: 04/29/25 13:57
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-13 (1.5')	E504253-01A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
CS-14 (1.5')	E504253-02A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-5 (1.5')	E504253-03A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-6 (1.5')	E504253-04A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-7 (1.5')	E504253-05A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-8 (1.5')	E504253-06A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-9 (1.5')	E504253-07A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-10 (1.5')	E504253-08A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-11 (1.5')	E504253-09A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-12 (1.5')	E504253-10A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-13 (1.5')	E504253-11A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.
SW-14 (1.5')	E504253-12A	Soil	04/24/25	04/25/25	Glass Jar, 4 oz.



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

CS-13 (1.5')

E504253-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.1 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/25/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	04/25/25	04/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	4270	40.0	2	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

CS-14 (1.5')

E504253-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/25/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	04/25/25	04/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	3880	40.0	2	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-5 (1.5')

E504253-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.8 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/25/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	04/25/25	04/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-6 (1.5')

E504253-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2517115
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2517115
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2517110
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>		99.9 %	61-141	04/25/25	04/26/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2517109
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-7 (1.5')

E504253-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
	99.5 %	61-141		04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-8 (1.5')

E504253-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
	98.1 %	61-141		04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-9 (1.5')

E504253-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.5 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
		96.3 %	61-141	04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-10 (1.5')

E504253-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-11 (1.5')

E504253-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
	98.6 %	61-141		04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	ND	20.0	1	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-12 (1.5')

E504253-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
	95.9 %	61-141		04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	1950	40.0	2	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-13 (1.5')

E504253-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	2080	40.0	2	04/25/25	04/25/25	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Yukon Gold 31-19 Fed Com 212H
Project Number: 01058-0007
Project Manager: Ashton Thielke

Reported:
4/29/2025 1:57:09PM

SW-14 (1.5')

E504253-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Benzene	ND	0.0250	1	04/25/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/25/25	04/25/25	
Toluene	ND	0.0250	1	04/25/25	04/25/25	
o-Xylene	ND	0.0250	1	04/25/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/25/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/25/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	04/25/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2517110	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/25/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/25/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
		99.5 %	61-141	04/25/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517109	
Chloride	2390	40.0	2	04/25/25	04/25/25	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Yukon Gold 31-19 Fed Com 212H Project Number: 01058-0007 Project Manager: Ashton Thielke	Reported: 4/29/2025 1:57:09PM
---	--	----------------------------------

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517115-BLK1)

Prepared: 04/25/25 Analyzed: 04/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

LCS (2517115-BS1)

Prepared: 04/25/25 Analyzed: 04/25/25

Benzene	5.18	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike (2517115-MS1)

Source: E504253-11

Prepared: 04/25/25 Analyzed: 04/25/25

Benzene	5.38	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.35	0.0250	5.00	ND	107	70-130			
o-Xylene	5.19	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

Matrix Spike Dup (2517115-MSD1)

Source: E504253-11

Prepared: 04/25/25 Analyzed: 04/25/25

Benzene	4.61	0.0250	5.00	ND	92.2	70-130	15.3	27	
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	70-130	15.1	26	
Toluene	4.59	0.0250	5.00	ND	91.8	70-130	15.3	20	
o-Xylene	4.46	0.0250	5.00	ND	89.1	70-130	15.3	25	
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	70-130	15.0	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	70-130	15.1	26	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Yukon Gold 31-19 Fed Com 212H Project Number: 01058-0007 Project Manager: Ashton Thielke	Reported: 4/29/2025 1:57:09PM
---	--	---

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517115-BLK1)

Prepared: 04/25/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS (2517115-BS2)

Prepared: 04/25/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	37.2	20.0	50.0		74.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			

Matrix Spike (2517115-MS2)

Source: E504253-11

Prepared: 04/25/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	38.4	20.0	50.0	ND	76.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			

Matrix Spike Dup (2517115-MSD2)

Source: E504253-11

Prepared: 04/25/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.6	70-130	4.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			



QC Summary Data

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Ashton Thielke	4/29/2025 1:57:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2517110-BLK1)					Prepared: 04/25/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.9		50.0		97.7	61-141			

LCS (2517110-BS1)					Prepared: 04/25/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	49.3		50.0		98.7	61-141			

Matrix Spike (2517110-MS1)					Source: E504129-03		Prepared: 04/25/25 Analyzed: 04/25/25		
Diesel Range Organics (C10-C28)	436	25.0	250	133	121	56-156			
Surrogate: n-Nonane	61.1		50.0		122	61-141			

Matrix Spike Dup (2517110-MSD1)					Source: E504129-03		Prepared: 04/25/25 Analyzed: 04/25/25		
Diesel Range Organics (C10-C28)	477	25.0	250	133	138	56-156	8.95	20	
Surrogate: n-Nonane	61.9		50.0		124	61-141			



QC Summary Data

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Ashton Thielke	4/29/2025 1:57:09PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2517109-BLK1)					Prepared: 04/25/25 Analyzed: 04/25/25				
Chloride	ND	20.0							
LCS (2517109-BS1)					Prepared: 04/25/25 Analyzed: 04/25/25				
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2517109-MS1)					Source: E504253-03		Prepared: 04/25/25 Analyzed: 04/25/25		
Chloride	266	20.0	250	ND	107	80-120			
Matrix Spike Dup (2517109-MSD1)					Source: E504253-03		Prepared: 04/25/25 Analyzed: 04/25/25		
Chloride	268	20.0	250	ND	107	80-120	0.494	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Yukon Gold 31-19 Fed Com 212H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Ashton Thielke	04/29/25 13:57

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Carmona Resources				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Yukon Gold 31-19 Fed Com 212H				Address: 5315 Buena Vista Dr.				E604253		00580007				X		X			
Project Manager: Ashton Thielke				City, State, Zip: Carlsbad, NM 88220															
Address: 310 West Wall Street Suite 500				Phone: 575-689-7597															
City, State, Zip: Midland, Texas 79701				Email: jim.raley@dmv.com															
Phone: 432-813-8988				Miscellaneous:															
Email: ThielkeA@CarmonaResources.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	TPH 8023M (GRO + BIO + MRO)	Chloride 300	BTEX 8021B							SDWA	CWA	RCRA	
	4/24/2025	Soil	1	SW-13 (1.5')		11	X	X	X							Compliance	Y	or N	
	4/24/2025	Soil	1	SW-14 (1.5')		12	X	X	X							PWSID #			
																Sample Temp		Remarks	
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by:																			
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.									
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time										
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time										
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time										
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 4/28/2025 9:12:23AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	04/25/25 08:15	Work Order ID:	E504253
Phone:	(432) 813-6823	Date Logged In:	04/25/25 08:21	Logged In By:	Caitlin Mars
Email:		Due Date:	04/29/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Time sampled and sampled by not provided on COC.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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 461521

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2504240482
Incident Name	NAPP2504240482 YUKON GOLD 31 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2123652649] YUKON GOLD 31 CTB 2

Location of Release Source

Please answer all the questions in this group.

Site Name	YUKON GOLD 31 CTB 2
Date Release Discovered	02/09/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Valve Produced Water Released: 6 BBL Recovered: 0 BBL Lost: 6 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)	Pinhole developed on 3" ball valve on water dump line of 3 phase and released 5.7 bbls of produced water onto pad surface.

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 461521

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.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 461521

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1960
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	04/22/2025
On what date will (or did) the final sampling or liner inspection occur	04/25/2025
On what date will (or was) the remediation complete(d)	05/12/2025
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	316
What is the estimated volume (in cubic yards) that will be remediated	12

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 461521

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/13/2025
<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>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 461521

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	A 6"-8" buffer zone on each side of Devons' equipment, and underneath the equipment, on site will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that buffer zone could potentially cause structural instability and might result in additional releases in the future as backfill material can shift and settle over time. The deferred areas are defined by the following composite confirmation sidewall samples: SW-1 through SW-3, SW-6, and SW-7. Approximately 1,098 square feet, 41 cubic yards, of contamination was left in place under the site equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1098
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	41.1
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	YUKON GOLD 31 CTB 2 [fAPP2123652649]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: James Raley Title: EHS Professional Email: jim.raley@dvn.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 6

Action 461521

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	452783
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	650

Remediation Closure Request

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

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 461521

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 461521
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	7/7/2025