



SITE INFORMATION

Closure Report
Queenie Federal Com #503H
Lea County, New Mexico
Incident ID: NAPP2413859640
Unit A Sec 22 T20S R32E
32.56566594°, -103.7469301°

Produced Water Release
Point of Release: Auto function failure on blender
Release Date: 5/17/24
Volume Released: 22 Barrels of Produced Water
Volume Recovered: 18 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Marathon Oil Corporation
990 Town and Country Blvd,
Houston, Texas 77024

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

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July 10, 2024

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

**Re: Closure Report
Queenie Federal Com #503H
Marathon Oil Corporation
Incident ID: NAPP2413859640
Site Location: Unit A, S22, T20S, R32E
(Lat 32.56566594°, Long -103.7469301°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Marathon Oil Company, Carmona Resources, LLC has prepared this letter to document site activities for the Queenie Federal Com #503H. The site is located at 32.56566594°, -103.7469301° within Unit A, S22, T20S, R32E, in Lea 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 May 17, 2024, caused by an auto function failure on the blender. The incident released twenty-two (22) barrels of produced water, with eighteen (18) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.12 miles southeast of the site in S23, T20S, R32E, and was drilled in 1996. The well has a reported depth to groundwater of 39.83' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 3, 2024, Carmona Resources, LLC was onsite to perform an initial assessment to evaluate soil impacts stemming from the release. Prior to trenching and excavation activities all production equipment was removed from the spill site on the north side of the pad. A total of two (2) trenches (T-1 and T-2) and

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Midland, Texas 79701
432.813.1992



six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 2' bgs within and surrounding the release to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

Vertical delineation was achieved for all sample points. Refer to Table 1.

Horizontal Delineation

All horizontal locations were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities/ In-Situ Remediation

Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 30, 2024, and June 12, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. After all hazards were identified, the area of T-1 was excavated to a depth of 1.5' below the surface, and the area of T-2 was excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of twenty-two (22) floor confirmation samples were collected (CS-1 through CS-22), and twenty-two (22) sidewall samples (SW-1 through SW-22) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

Confirmation sample CS-14 continued to show elevated chloride levels and were excavated an additional 0.25' to remove contaminated soil.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 120 cubic yards of material were excavated and transported offsite for proper disposal.

CARMONA RESOURCES



6.0 Conclusions

Based on the analytical data, no further actions are required at the site. The final C-141 is attached, and Marathon formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Clinton Merritt
Sr. Project Manager

Devin Dominguez
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES

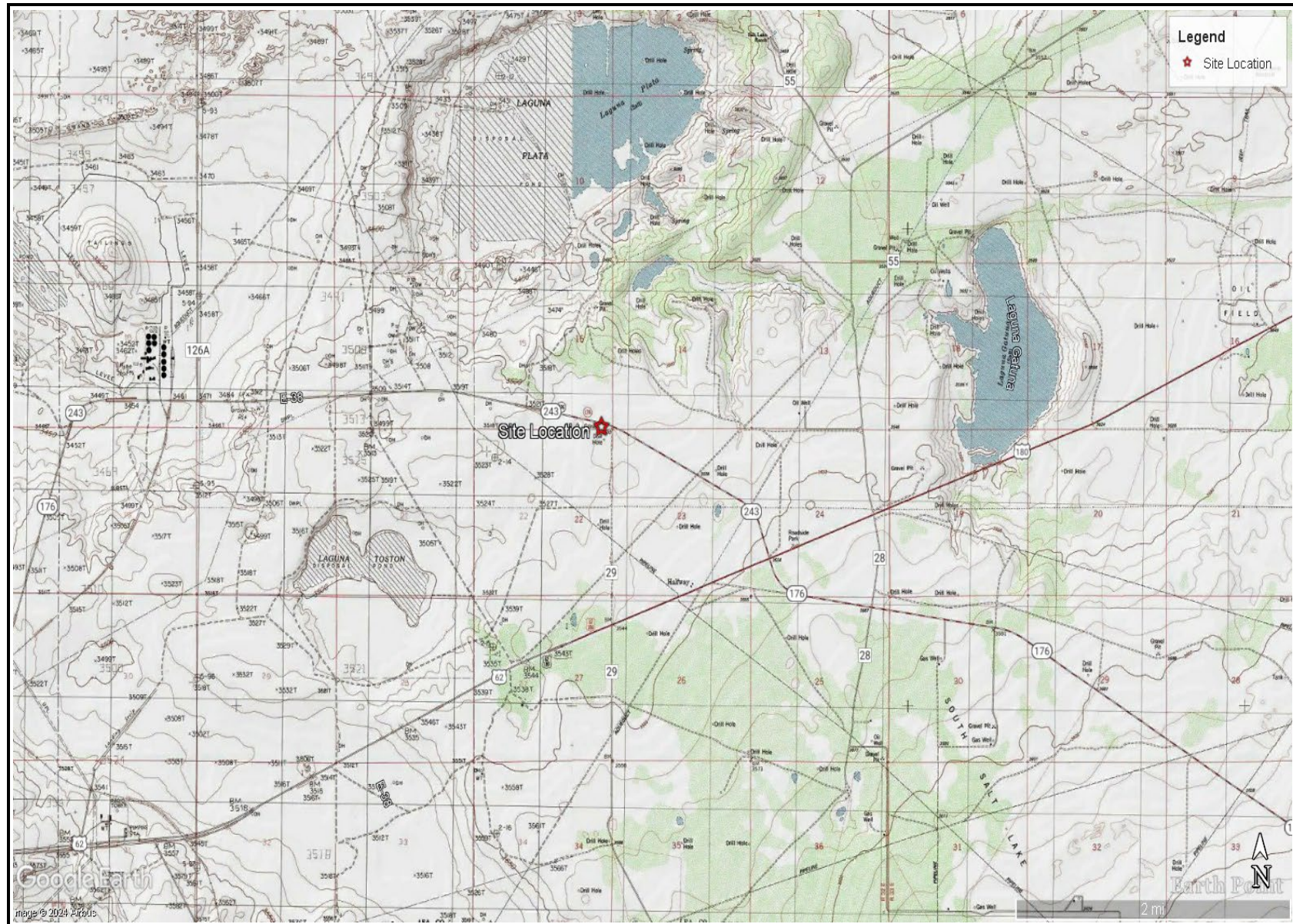




OVERVIEW MAP
MARATHON OIL CORPORATION
QUEENIE FEDERAL COM #503H
LEA COUNTY, NEW MEXICO
32.56566594°, -103.7469301°



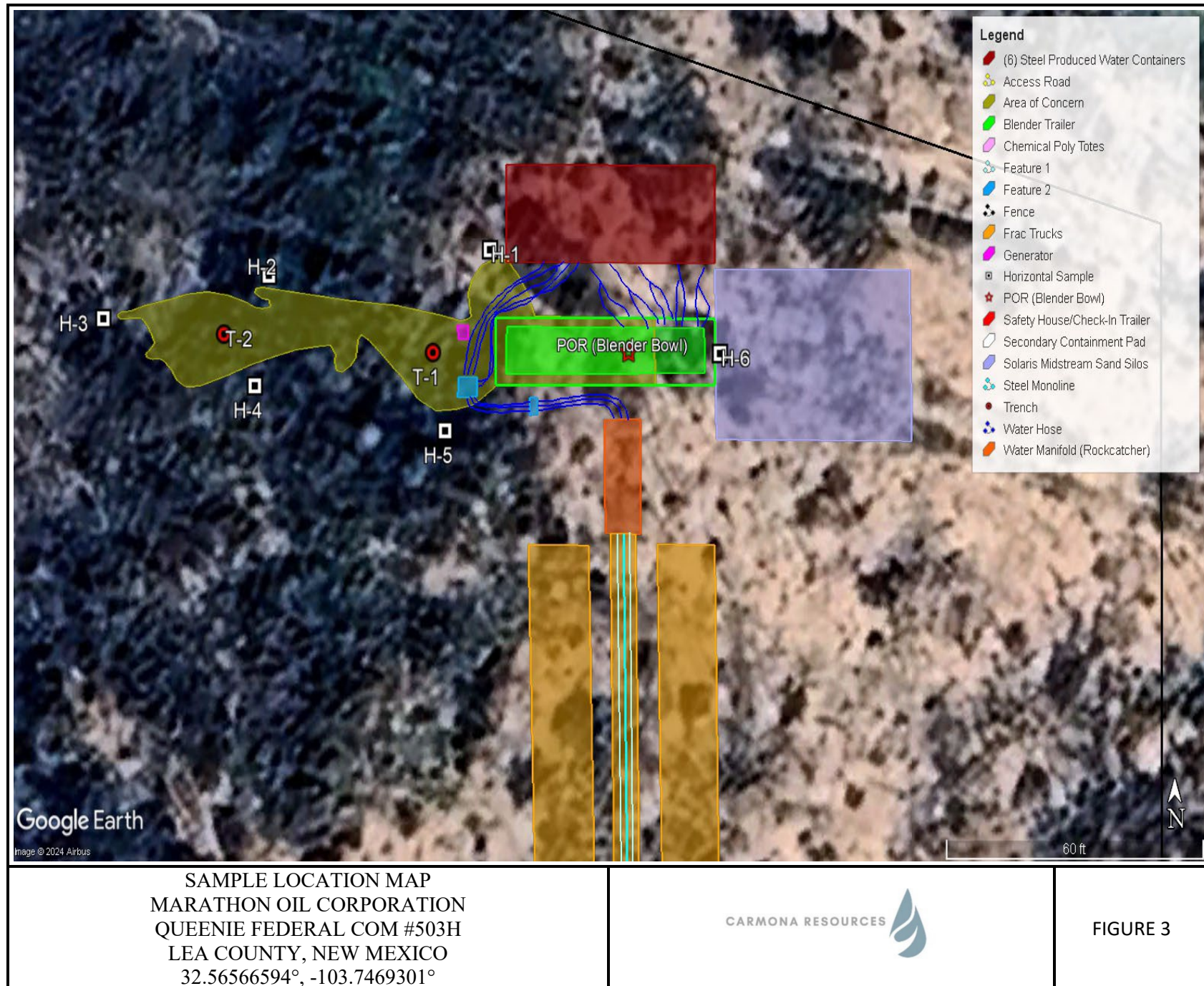
FIGURE 1

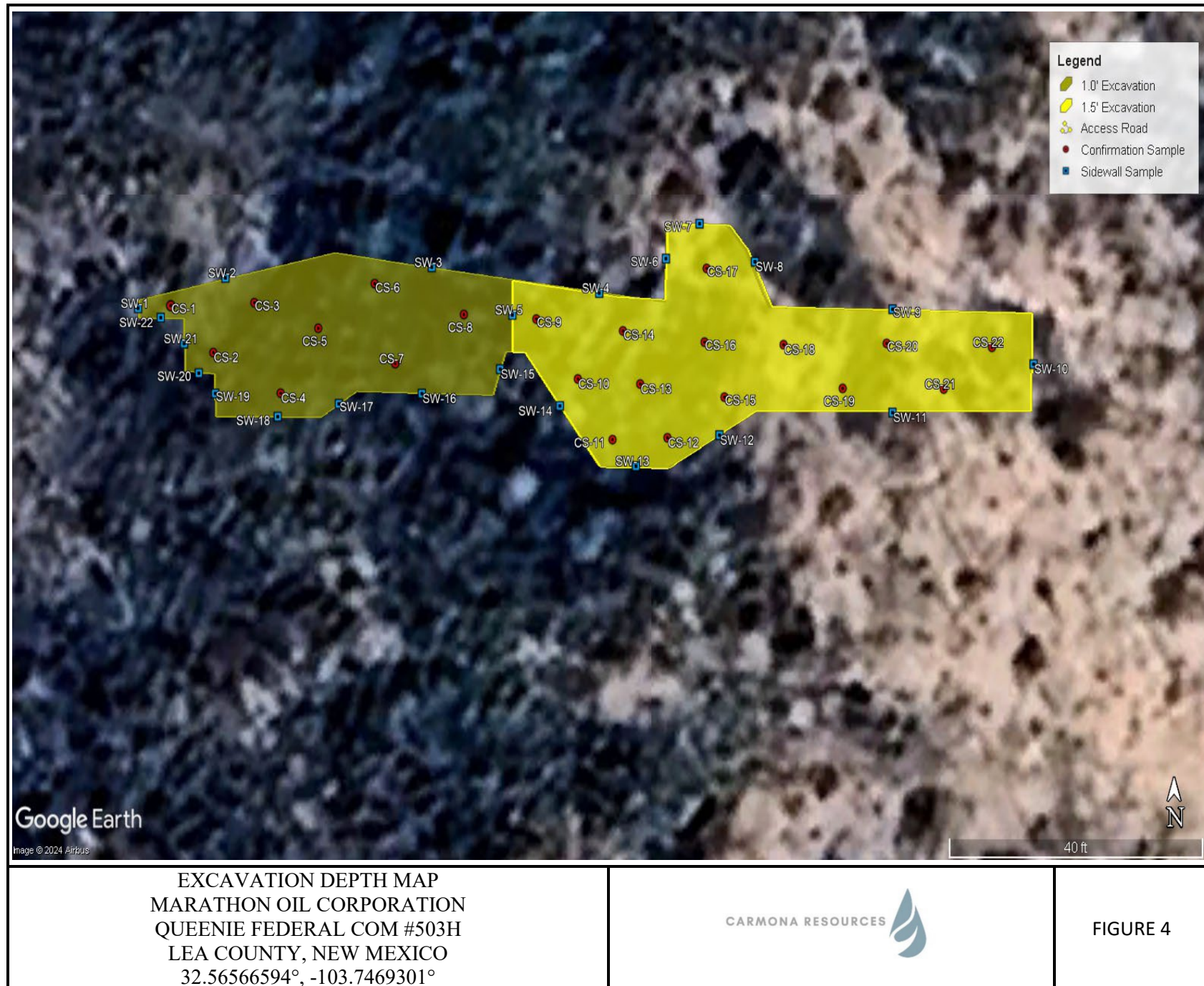


TOPOGRAPHIC MAP
 MARATHON OIL CORPORATION
 QUEENIE FEDERAL COM #503H
 LEA COUNTY, NEW MEXICO
 32.56566594°, -103.7469301°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Marathon Oil Corporation
Queenie Fed Com 503 CTB
Lea 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						
T-1	6/3/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11,300
	"	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	579
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	404
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	59.9
T-2	6/3/2024	0-0.5	<49.7	794	<49.7	794	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,980
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	216
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	61.3
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.4
H-1	6/3/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	115
H-2	6/3/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	171
H-3	6/3/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	347
H-4	6/3/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	142
H-5	6/3/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	94.3
H-6	6/3/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	80.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

 Removed

Table 2
Marathon Oil
Queenie Fed Com 503 CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/4/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.9
CS-2	6/4/2024	1.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	108
CS-3	6/4/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	138
CS-4	6/4/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	60.2
CS-5	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
CS-6	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	112
CS-7	6/4/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	66.8
CS-8	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.3
CS-9	6/4/2024	1.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	157
CS-10	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	337
CS-11	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.9
CS-12	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.5
CS-13	6/4/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	267
CS-14	6/4/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	950
	6/14/2024	1.75	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	455
CS-15	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	48.9
CS-16	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	37.4
CS-17	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.7
CS-18	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	78.4
CS-19	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	66.9
CS-20	6/4/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.1
CS-21	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.4
CS-22	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	130
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
Marathon Oil
Queenie Fed Com 503 CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	137
SW-2	6/4/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	158
SW-3	6/4/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	164
SW-4	6/4/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	161
SW-5	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	56.1
SW-6	6/4/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	59.2
SW-7	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	135
SW-8	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	67.6
SW-9	6/4/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.0
SW-10	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.0
SW-11	6/4/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	152
SW-12	6/4/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	168
SW-13	6/4/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	85.1
SW-14	6/4/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	136
SW-15	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	72.6
SW-16	6/4/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	60.4
SW-17	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	77.3
SW-18	6/4/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	71.6
SW-19	6/4/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.1
SW-20	6/4/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	46.7
SW-21	6/4/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	103
SW-22	6/4/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	59.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View Southeast of initial release.



Photograph No. 2

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View East of initial release.



Photograph No. 3

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View East of initial release.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 4

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View Southwest, of trenching activities prior to excavation.



Photograph No. 5

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View East, of trenching activities prior to excavation.



Photograph No. 6

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View West, of area CS-1 through CS-8.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 7

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View East, area of CS-9 through CS-22.



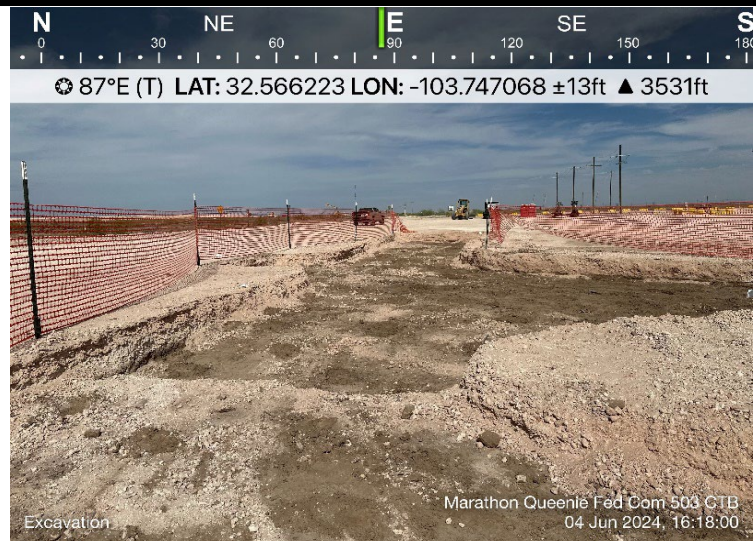
Photograph No. 8

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View East, area of CS-9 through CS-22.



Photograph No. 9

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:

View West, of area CS-1 through CS-8.



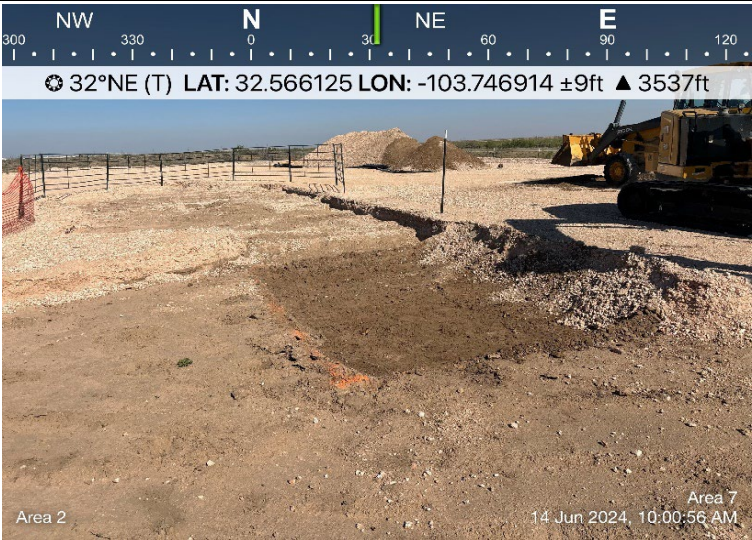
PHOTOGRAPHIC LOG
Marathon Oil Corporation

Photograph No. 10

Facility: Queenie Federal Com #503H

County: Lea County, New Mexico

Description:
View Northeast, area of CS-14.



APPENDIX C

CARMONA RESOURCES



OCD Permitting

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

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	345427	Districts:	Hobbs
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Lea
Description:	MARATHON OIL PERMIAN LLC [372098] , QUEENIE FEDERAL COM #503H , nAPP2413859640		
Status:	APPROVED		
Status Date:	05/17/2024		
References (2):	30-025-52326, nAPP2413859640		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	QUEENIE FEDERAL COM #503H
Date Release Discovered	05/17/2024
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 Pump Produced Water Released: 22 BBL Recovered: 18 BBL Lost: 4 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)	17.81 bbls of produced water released onto lined containment and another 4.45 bbls released onto the engineered pad for a total of 22.26 bbls.

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.

Acknowledgments

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

Comments

No comments found for this submission.

Conditions

Summary: *icastro (5/17/2024), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.*

Reasons

No reasons found for this submission.

Fees

No fees found for this submission.

Go Back

OCD Permitting

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

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	347380	Districts:	Hobbs
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Lea
Description:	MARATHON OIL PERMIAN LLC [372098] , QUEENIE FEDERAL COM #503H , nAPP2413859640		
Status:	APPROVED		
Status Date:	05/23/2024		
References (2):	30-025-52326, nAPP2413859640		

Forms

Attachments: [Volume Calculation](#)

Questions

Prerequisites

Incident ID (n#)	nAPP2413859640
Incident Name	NAPP2413859640 QUEENIE FEDERAL COM #503H @ 30-025-52326
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-52326] QUEENIE FEDERAL COM #503H

Location of Release Source

Please answer all the questions in this group.

Site Name	QUEENIE FEDERAL COM #503H
Date Release Discovered	05/17/2024
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.
-----------------------------------	---------------

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)	17.81 bbls of produced water released onto lined containment and another 4.45 bbls released onto the engineered pad for a total of 22.26 bbls. This was caused from blender overflow due to auto function failure.

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: Isaac Castro Email: icastro@marathonoil.com Date: 05/23/2024

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.	

Comments

No comments found for this submission.

Conditions

Summary: *scott.rodgers* (5/23/2024), None

Reasons

No reasons found for this submission.

Fees

Summary:			Created	Type	Amount	Status	Saved
	HG4VN-240523-C-1410	Fee	5/23/2024	SB553 A.(2) [ADMIN]	\$150.00	Paid [PAID]	5/23/2024
		Payment	5/23/2024	Credit Card [CC]	\$150.00	Paid [PAID]	5/23/2024

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OCD Permitting

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

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

Submission Information

Submission ID:	349063	Districts:	Hobbs
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Lea
Description:	MARATHON OIL PERMIAN LLC [372098] , QUEENIE FEDERAL COM #503H , nAPP2413859640		
Status:	APPROVED		
Status Date:	05/30/2024		
References (2):	30-025-52326, nAPP2413859640		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2413859640
Incident Name	NAPP2413859640 QUEENIE FEDERAL COM #503H @ 30-025-52326
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-52326] QUEENIE FEDERAL COM #503H

Location of Release Source

Site Name	QUEENIE FEDERAL COM #503H
Date Release Discovered	05/17/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2024
Time sampling will commence	03:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	From the intersection of US hwy 62 and NM 243, travel Northwest on NM 243 for 1.38 miles. Turn south onto unmarked lease road and travel 0.04 miles. Job site is on your immediate left

Acknowledgments

This submission type does not have acknowledgments, at this time.

Conditions

Summary: *icastro (5/30/2024)*, 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.

Reasons

No reasons found for this submission.

Fees

No fees found for this submission.

Go Back

OCD Permitting

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

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

Submission Information

Submission ID:	353288	Districts:	Hobbs
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Lea
Description:	MARATHON OIL PERMIAN LLC [372098] , QUEENIE FEDERAL COM #503H , nAPP2413859640		
Status:	APPROVED		
Status Date:	06/12/2024		
References (2):	30-025-52326, nAPP2413859640		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2413859640
Incident Name	NAPP2413859640 QUEENIE FEDERAL COM #503H @ 30-025-52326
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-52326] QUEENIE FEDERAL COM #503H

Location of Release Source

Site Name	QUEENIE FEDERAL COM #503H
Date Release Discovered	05/17/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	100
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/14/2024
Time sampling will commence	01:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	From the intersection of US hwy 62 and NM 243, travel Northwest on NM 243 for 1.38 miles. Turn south onto unmarked lease road and travel 0.04 miles. Job site is on your immediate left

Acknowledgments

This submission type does not have acknowledgments, at this time.

Conditions

Summary: *icastro* (6/12/2024), 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.

Reasons

No reasons found for this submission.

Fees

No fees found for this submission.

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APPENDIX D

CARMONA RESOURCES

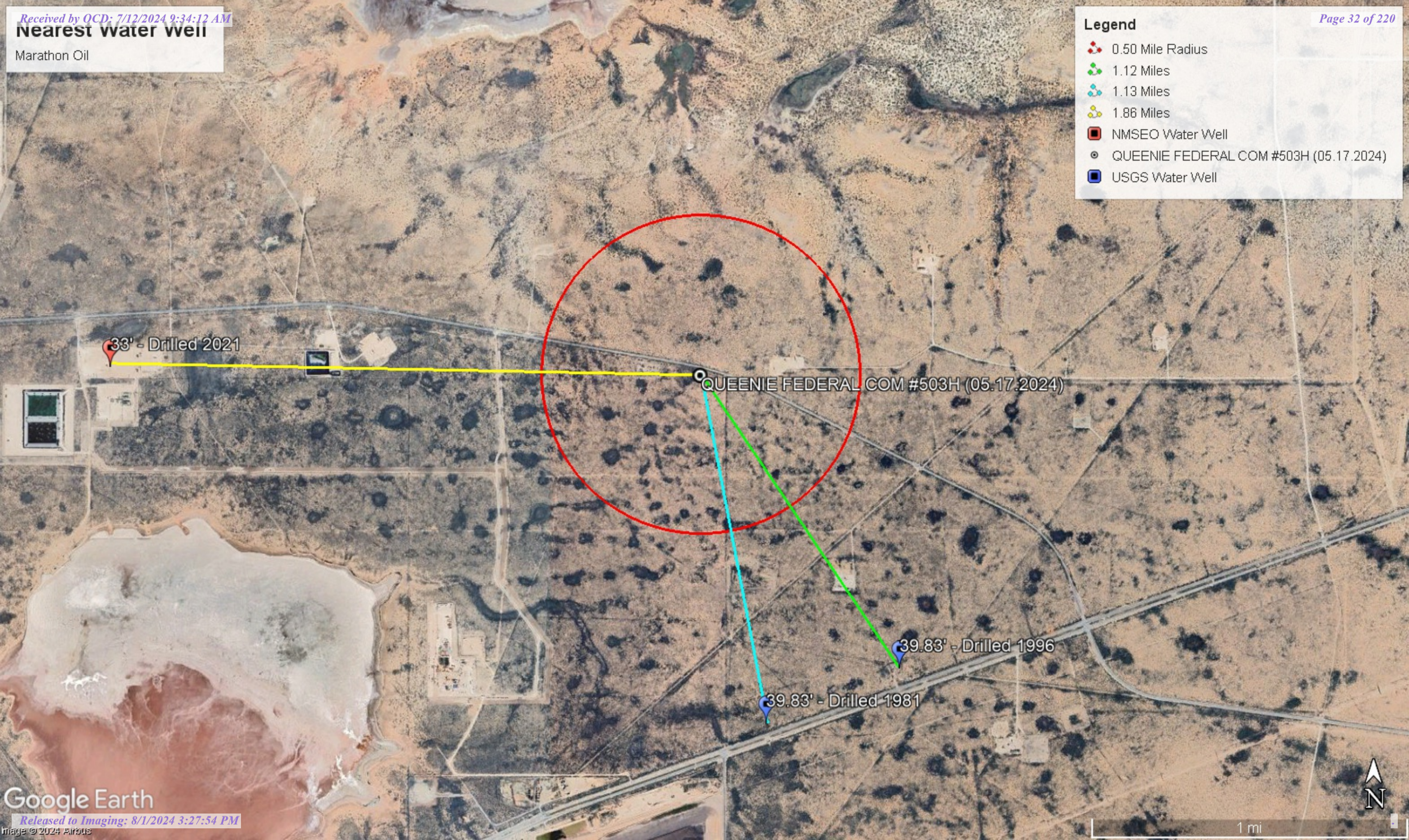


Nearest water well

Marathon Oil

Legend

- 0.50 Mile Radius
- 1.12 Miles
- 1.13 Miles
- 1.86 Miles
- NMSEO Water Well
- QUEENIE FEDERAL COM #503H (05.17.2024)
- USGS Water Well



Low Karst

Marathon Oil

Legend

-  Low
-  QUEENIE FEDERAL COM #503H (05.17.2024)

QUEENIE FEDERAL COM #503H (05.17.2024)





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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01891 POD1	CP	LE		3	3	3	16	20S	32E	614636	3603890	3000	55	33	22

Average Depth to Water: **33 feet**

Minimum Depth: **33 feet**

Maximum Depth: **33 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 617637.12

Northing (Y): 3603887.6

Radius: 4000

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.

5/20/24 9:02 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

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

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323258103440601

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

USGS 323258103440601 20S.32E.23.43312

Lea County, New Mexico
Latitude 32°33'10", Longitude 103°44'10" NAD27
Land-surface elevation 3,551.00 feet above NGVD29
The depth of the well is 78 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur
1968-05-29			D 62610		3511.60	NGVD29	P		Z	
1968-05-29			D 62611		3513.19	NAVD88	P		Z	
1968-05-29			D 72019	39.40			P		Z	
1971-02-02			D 62610		3513.54	NGVD29	1		Z	
1971-02-02			D 62611		3515.13	NAVD88	1		Z	
1971-02-02			D 72019	37.46			1		Z	
1981-02-19			D 62610		3514.22	NGVD29	1		Z	
1981-02-19			D 62611		3515.81	NAVD88	1		Z	
1981-02-19			D 72019	36.78			1		Z	
1986-04-07			D 62610		3512.58	NGVD29	1		Z	
1986-04-07			D 62611		3514.17	NAVD88	1		Z	
1986-04-07			D 72019	38.42			1		Z	
1991-05-23			D 62610		3511.63	NGVD29	1		Z	
1991-05-23			D 62611		3513.22	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1991-05-23	D	72019	39.37		1	Z	
1996-01-30	D	62610	3511.17	NGVD29	1	S	
1996-01-30	D	62611	3512.76	NAVD88	1	S	
1996-01-30	D	72019	39.83		1	S	

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels>

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2024-05-20 09:57:00 EDT

0.29 0.24 nadww02





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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323301103443601

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

USGS 323301103443601 20S.32E.23.33132

Lea County, New Mexico
Latitude 32°33'01", Longitude 103°44'36" NAD27
Land-surface elevation 3,542 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-02-25			D	62610	3501.27	NGVD29	1	Z		
1976-02-25			D	62611	3502.86	NAVD88	1	Z		
1976-02-25			D	72019	39.14		1	Z		
1981-02-19			D	62610	3500.58	NGVD29	1	Z		
1981-02-19			D	62611	3502.17	NAVD88	1	Z		
1981-02-19			D	72019	39.83		1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
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.

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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: 2024-05-20 09:59:33 EDT
0.29 0.25 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	CP 01891 POD1	3	3	3	16	20S	32E	614636	3603890		
Driller License: 1249		Driller Company:				ATKINS ENGINEERING ASSOC. INC.					
Driller Name:		ATKINS, JACKIE D.UELENER									
Drill Start Date: 10/26/2021		Drill Finish Date:				10/26/2021		Plug Date:		11/01/2021	
Log File Date: 11/29/2021		PCW Rev Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size:		Depth Well:				55 feet		Depth Water:		33 feet	
Water Bearing Stratifications:				Top	Bottom	Description					
				26	36	Sandstone/Gravel/Conglomerate					
				36	49	Sandstone/Gravel/Conglomerate					
				49	55	Sandstone/Gravel/Conglomerate					
Casing Perforations:				Top	Bottom						
				0	55						

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.

6/14/23 3:22 PM

POINT OF DIVERSION SUMMARY

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



Maxar | 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, USDA, USFWS

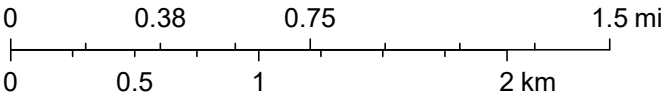
QUEENIE FEDERAL COM #503H (05.17.2024)



5/20/2024, 8:54:47 AM

-  OSW Water Bodys
-  OSE Probable Playas
-  OSE Streams

1:36,112



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/14/2024 4:45:59 PM Revision 1

JOB DESCRIPTION

Queenie Fed Com 503 CTB (05.16.24)
Lea County, New Mexico

JOB NUMBER

880-44376-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
6/14/2024 4:45:59 PM
Revision 1

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Laboratory Job ID: 880-44376-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: Carmona Resources
Project: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1

Job ID: 880-44376-1

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Job Narrative 880-44376-1

REVISION

The report being provided is a revision of the original report sent on 6/12/2024. The report (revision 1) is being revised due to Per client email, requesting chloride re run.

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/5/2024 2:45 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 7.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-0.5') (880-44376-1), T-1 (1') (880-44376-2), T-1 (1.5') (880-44376-3), T-1 (2') (880-44376-4), T-2 (0-0.5') (880-44376-5), T-2 (1') (880-44376-6), T-2 (1.5') (880-44376-7) and T-2 (2') (880-44376-8).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-82711 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-82711/33) and (CCV 880-82711/34).

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 880-82432 and analytical batch 880-82475 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 880-83024 and analytical batch 880-83027 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-0.5')

Lab Sample ID: 880-44376-1

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 13:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 13:59	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			06/06/24 13:59	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			06/09/24 04:26	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	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 04:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 04:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	06/06/24 09:00	06/09/24 04:26	1
o-Terphenyl	111		70 - 130	06/06/24 09:00	06/09/24 04:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11300		101		mg/Kg			06/08/24 15:44	20

Client Sample ID: T-1 (1')

Lab Sample ID: 880-44376-2

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 14:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 14:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1')

Lab Sample ID: 880-44376-2

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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			06/06/24 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 04:42	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		06/06/24 09:00	06/09/24 04:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 04:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/06/24 09:00	06/09/24 04:42	1
o-Terphenyl	97		70 - 130	06/06/24 09:00	06/09/24 04:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		24.9		mg/Kg			06/08/24 15:49	5

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-44376-3

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 14:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 14:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 14:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 14:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 14:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 14:40	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 14:40	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			06/06/24 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 04:57	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		06/06/24 09:00	06/09/24 04:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 04:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-44376-3

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 09:00	06/09/24 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				06/06/24 09:00	06/09/24 04:57	1
o-Terphenyl	98		70 - 130				06/06/24 09:00	06/09/24 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		4.95		mg/Kg			06/13/24 08:28	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-44376-4

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 15:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 15:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 15:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 15:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 15:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 15:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 15:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 05:14	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		06/06/24 09:00	06/09/24 05:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 05:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				06/06/24 09:00	06/09/24 05:14	1
o-Terphenyl	106		70 - 130				06/06/24 09:00	06/09/24 05:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.9		5.05		mg/Kg			06/08/24 15:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (0-0.5')

Lab Sample ID: 880-44376-5

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 15:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 15:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 15:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 15:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 15:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/06/24 08:47	06/06/24 15:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/06/24 08:47	06/06/24 15:21	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			06/06/24 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	794		49.7		mg/Kg			06/12/24 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/12/24 16:18	1
Diesel Range Organics (Over C10-C28)	794		49.7		mg/Kg		06/06/24 09:00	06/12/24 16:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/12/24 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	06/06/24 09:00	06/12/24 16:18	1
o-Terphenyl	86		70 - 130	06/06/24 09:00	06/12/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1980	F1	24.9		mg/Kg			06/08/24 16:04	5

Client Sample ID: T-2 (1')

Lab Sample ID: 880-44376-6

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 15:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 15:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 15:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 15:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/06/24 08:47	06/06/24 15:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 15:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1')

Lab Sample ID: 880-44376-6

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/06/24 15:41	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			06/09/24 05:45	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		06/06/24 09:00	06/09/24 05:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 05:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 05:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				06/06/24 09:00	06/09/24 05:45	1
o-Terphenyl	105		70 - 130				06/06/24 09:00	06/09/24 05:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		25.2		mg/Kg			06/08/24 16:19	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-44376-7

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 16:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 16:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 16:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 16:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 16:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 16:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 16:02	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			06/06/24 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Date Collected: 06/03/24 00:00

Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				06/06/24 09:00	06/09/24 06:00	1
o-Terphenyl	104		70 - 130				06/06/24 09:00	06/09/24 06:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		4.98		mg/Kg			06/08/24 16:24	1

Client Sample ID: T-2 (2')

Date Collected: 06/03/24 00:00

Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/06/24 08:47	06/06/24 17:37	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/06/24 08:47	06/06/24 17:37	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			06/06/24 17:37	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			06/09/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/06/24 09:00	06/09/24 06:16	1
o-Terphenyl	99		70 - 130				06/06/24 09:00	06/09/24 06:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4		4.99		mg/Kg			06/08/24 16:39	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-44375-A-42-A MS	Matrix Spike	97	100
880-44375-A-42-B MSD	Matrix Spike Duplicate	101	102
880-44376-1	T-1 (0-0.5')	102	102
880-44376-2	T-1 (1')	103	103
880-44376-3	T-1 (1.5')	103	103
880-44376-4	T-1 (2')	103	103
880-44376-5	T-2 (0-0.5')	101	100
880-44376-6	T-2 (1')	107	103
880-44376-7	T-2 (1.5')	103	103
880-44376-8	T-2 (2')	102	102
LCS 880-82443/1-A	Lab Control Sample	99	100
LCS 880-82443/2-A	Lab Control Sample Dup	100	100
MB 880-82443/5-A	Method Blank	101	99

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)
880-44375-A-41-C MS	Matrix Spike	109	89
880-44375-A-41-D MSD	Matrix Spike Duplicate	109	88
880-44376-1	T-1 (0-0.5')	114	111
880-44376-2	T-1 (1')	104	97
880-44376-3	T-1 (1.5')	105	98
880-44376-4	T-1 (2')	111	106
880-44376-5	T-2 (0-0.5')	78	86
880-44376-6	T-2 (1')	111	105
880-44376-7	T-2 (1.5')	111	104
880-44376-8	T-2 (2')	106	99
LCS 880-82446/2-A	Lab Control Sample	109	90
MB 880-82446/1-A	Method Blank	122	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82443/5-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/06/24 08:47	06/06/24 12:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/06/24 08:47	06/06/24 12:35	1

Lab Sample ID: LCS 880-82443/1-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09289		mg/Kg		93	70 - 130
Toluene	0.100	0.08423		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08254		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1733		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08568		mg/Kg		86	70 - 130

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

Lab Sample ID: LCSD 880-82443/2-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	8	35
Toluene	0.100	0.09087		mg/Kg		91	70 - 130	8	35
Ethylbenzene	0.100	0.08930		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1867		mg/Kg		93	70 - 130	7	35
o-Xylene	0.100	0.09198		mg/Kg		92	70 - 130	7	35

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

Lab Sample ID: 880-44375-A-42-A MS

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44375-A-42-A MS

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09158		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1911		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09356		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-44375-A-42-B MSD

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09611		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2005		mg/Kg		100	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09778		mg/Kg		98	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-82446/1-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82446

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		06/06/24 09:00	06/08/24 23:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	06/06/24 09:00	06/08/24 23:22	1
o-Terphenyl	109		70 - 130	06/06/24 09:00	06/08/24 23:22	1

Lab Sample ID: LCS 880-82446/2-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	901.0		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-82446/2-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82446

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-44375-A-41-C MS

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82446

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	992	876.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	992	835.0		mg/Kg		84	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	89		70 - 130						

Lab Sample ID: 880-44375-A-41-D MSD

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82446

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	992	955.0		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	992	842.2		mg/Kg		85	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82432/1-A

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/08/24 00:15	1

Lab Sample ID: LCS 880-82432/2-A

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.7		mg/Kg		101	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-82432/3-A

Matrix: Solid

Analysis Batch: 82475

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	253.1		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-44376-5 MS

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: T-2 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1980	F1	1250	3058	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 880-44376-5 MSD

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: T-2 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1980	F1	1250	3141		mg/Kg		93	90 - 110	3	20

Lab Sample ID: MB 880-83024/1-A

Matrix: Solid

Analysis Batch: 83027

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/12/24 22:14	1

Lab Sample ID: LCS 880-83024/2-A

Matrix: Solid

Analysis Batch: 83027

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.5		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-83024/3-A

Matrix: Solid

Analysis Batch: 83027

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.7		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-44698-A-1-B MS

Matrix: Solid

Analysis Batch: 83027

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12100	F1	4960	16400	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 880-44698-A-1-C MSD

Matrix: Solid

Analysis Batch: 83027

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12100	F1	4960	16490	F1	mg/Kg		89	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 82440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	8021B	82443
880-44376-2	T-1 (1')	Total/NA	Solid	8021B	82443
880-44376-3	T-1 (1.5')	Total/NA	Solid	8021B	82443
880-44376-4	T-1 (2')	Total/NA	Solid	8021B	82443
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	8021B	82443
880-44376-6	T-2 (1')	Total/NA	Solid	8021B	82443
880-44376-7	T-2 (1.5')	Total/NA	Solid	8021B	82443
880-44376-8	T-2 (2')	Total/NA	Solid	8021B	82443
MB 880-82443/5-A	Method Blank	Total/NA	Solid	8021B	82443
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	8021B	82443
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82443
880-44375-A-42-A MS	Matrix Spike	Total/NA	Solid	8021B	82443
880-44375-A-42-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	82443

Prep Batch: 82443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	5035	
880-44376-2	T-1 (1')	Total/NA	Solid	5035	
880-44376-3	T-1 (1.5')	Total/NA	Solid	5035	
880-44376-4	T-1 (2')	Total/NA	Solid	5035	
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	5035	
880-44376-6	T-2 (1')	Total/NA	Solid	5035	
880-44376-7	T-2 (1.5')	Total/NA	Solid	5035	
880-44376-8	T-2 (2')	Total/NA	Solid	5035	
MB 880-82443/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44375-A-42-A MS	Matrix Spike	Total/NA	Solid	5035	
880-44375-A-42-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 82649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44376-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-44376-3	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-44376-4	T-1 (2')	Total/NA	Solid	Total BTEX	
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44376-6	T-2 (1')	Total/NA	Solid	Total BTEX	
880-44376-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-44376-8	T-2 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 82446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44376-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-44376-3	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-44376-4	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44376-6	T-2 (1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 82446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-44376-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
880-44375-A-41-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-44375-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 82711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44376-2	T-1 (1')	Total/NA	Solid	8015B NM	82446
880-44376-3	T-1 (1.5')	Total/NA	Solid	8015B NM	82446
880-44376-4	T-1 (2')	Total/NA	Solid	8015B NM	82446
880-44376-6	T-2 (1')	Total/NA	Solid	8015B NM	82446
880-44376-7	T-2 (1.5')	Total/NA	Solid	8015B NM	82446
880-44376-8	T-2 (2')	Total/NA	Solid	8015B NM	82446
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015B NM	82446
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82446
880-44375-A-41-C MS	Matrix Spike	Total/NA	Solid	8015B NM	82446
880-44375-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82446

Analysis Batch: 82811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-44376-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-44376-3	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-44376-4	T-1 (2')	Total/NA	Solid	8015 NM	
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-44376-6	T-2 (1')	Total/NA	Solid	8015 NM	
880-44376-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-44376-8	T-2 (2')	Total/NA	Solid	8015 NM	

Analysis Batch: 82970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-5	T-2 (0-0.5')	Total/NA	Solid	8015B NM	82446

HPLC/IC

Leach Batch: 82432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Soluble	Solid	DI Leach	
880-44376-2	T-1 (1')	Soluble	Solid	DI Leach	
880-44376-4	T-1 (2')	Soluble	Solid	DI Leach	
880-44376-5	T-2 (0-0.5')	Soluble	Solid	DI Leach	
880-44376-6	T-2 (1')	Soluble	Solid	DI Leach	
880-44376-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-44376-8	T-2 (2')	Soluble	Solid	DI Leach	
MB 880-82432/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82432/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82432/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44376-5 MS	T-2 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 82432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-5 MSD	T-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 82475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-1	T-1 (0-0.5')	Soluble	Solid	300.0	82432
880-44376-2	T-1 (1')	Soluble	Solid	300.0	82432
880-44376-4	T-1 (2')	Soluble	Solid	300.0	82432
880-44376-5	T-2 (0-0.5')	Soluble	Solid	300.0	82432
880-44376-6	T-2 (1')	Soluble	Solid	300.0	82432
880-44376-7	T-2 (1.5')	Soluble	Solid	300.0	82432
880-44376-8	T-2 (2')	Soluble	Solid	300.0	82432
MB 880-82432/1-A	Method Blank	Soluble	Solid	300.0	82432
LCS 880-82432/2-A	Lab Control Sample	Soluble	Solid	300.0	82432
LCSD 880-82432/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82432
880-44376-5 MS	T-2 (0-0.5')	Soluble	Solid	300.0	82432
880-44376-5 MSD	T-2 (0-0.5')	Soluble	Solid	300.0	82432

Leach Batch: 83024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-3	T-1 (1.5')	Soluble	Solid	DI Leach	
MB 880-83024/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-83024/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-83024/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44698-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44698-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 83027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44376-3	T-1 (1.5')	Soluble	Solid	300.0	83024
MB 880-83024/1-A	Method Blank	Soluble	Solid	300.0	83024
LCS 880-83024/2-A	Lab Control Sample	Soluble	Solid	300.0	83024
LCSD 880-83024/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	83024
880-44698-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	83024
880-44698-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	83024

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 13:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 04:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 04:26	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	82475	06/08/24 15:44	CH	EET MID

Client Sample ID: T-1 (1')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 04:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 04:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82475	06/08/24 15:49	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 04:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	83024	06/13/24 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	83027	06/13/24 08:28	CH	EET MID

Client Sample ID: T-1 (2')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 15:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82811	06/09/24 05:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 05:14	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 15:59	CH	EET MID

Client Sample ID: T-2 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 15:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/12/24 16:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 16:18	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82475	06/08/24 16:04	CH	EET MID

Client Sample ID: T-2 (1')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 15:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 05:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 05:45	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82475	06/08/24 16:19	CH	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 16:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 06:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 06:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-7
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	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:24	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44376-8
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			4.98 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82649	06/06/24 17:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82811	06/09/24 06:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 06:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:39	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: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

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

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

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

Sample Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44376-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44376-1	T-1 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-2	T-1 (1')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-3	T-1 (1.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-4	T-1 (2')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-5	T-2 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-6	T-2 (1')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-7	T-2 (1.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44376-8	T-2 (2')	Solid	06/03/24 00:00	06/05/24 14:45

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Chain of Custody

Work



880-44376 Chain of Custody

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and County Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Program: UST/PST ☐ RRP ☐ Rowfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Queenie Fed Com 503 CTB (05.16.24)		Turn Around		Prat. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2375		☐ Routine	☒ Rush															None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico		Due Date:	5 day															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 (X)	Wet Ice:	Yes () No (X)													H ₃ PO ₄ : HP	
Received Intact:	Yes (X) No ()	Thermometer ID:																	NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes () No (X)	Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes () No (X)	Temperature Reading:																	Zn Acetate+NaOH: Zn	
Total Containers:			Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
T-1 (0-0.5)	6/3/2024		X		G	1	BTEX 8021B												
T-1 (1)	6/3/2024		X		G	1	TPH 8015M (GRO + DRO + MRO)												
T-1 (1.5)	6/3/2024		X		G	1	Chloride 300.0												
T-1 (2)	6/3/2024		X		G	1													
T-2 (0-0.5)	6/3/2024		X		G	1													
T-2 (1)	6/3/2024		X		G	1													
T-2 (1.5)	6/3/2024		X		G	1													
T-2 (2)	6/3/2024		X		G	1													

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Connor Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 04:44		6/5/24 14:45

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44376-1

SDG Number: Lea County, New Mexico

Login Number: 44376

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/10/2024 3:14:03 PM

JOB DESCRIPTION

Queenie Fed Com 503 CTB (05.16.24)
Lea County, New Mexico

JOB NUMBER

880-44377-1

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
6/10/2024 3:14:03 PM

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

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Laboratory Job ID: 880-44377-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1

Job ID: 880-44377-1

Eurofins Midland

Job Narrative 880-44377-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/5/2024 2:45 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 7.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-44377-1), H-2 (0-0.5') (880-44377-2), H-3 (0-0.5') (880-44377-3), H-4 (0-0.5') (880-44377-4), H-5 (0-0.5') (880-44377-5) and H-6 (0-0.5') (880-44377-6).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-82711 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-82711/33).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-44377-5) and (880-44375-A-41-B). 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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-82432 and analytical batch 880-82475 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44377-1

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 17:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 17:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 17:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 17:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 17:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 17:58	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 17:58	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			06/06/24 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/09/24 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 02:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 02:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/06/24 09:00	06/09/24 02:41	1
o-Terphenyl	90		70 - 130	06/06/24 09:00	06/09/24 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.97		mg/Kg			06/08/24 16:44	1

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

Lab Sample ID: 880-44377-2

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 18:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 18:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 18:18	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 18:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44377-2

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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			06/06/24 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 02:57	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		06/06/24 09:00	06/09/24 02:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 02:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/06/24 09:00	06/09/24 02:57	1
o-Terphenyl	89		70 - 130				06/06/24 09:00	06/09/24 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.03		mg/Kg			06/08/24 16:49	1

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

Lab Sample ID: 880-44377-3

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 18:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 18:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 08:47	06/06/24 18:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 08:47	06/06/24 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 18:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/06/24 08:47	06/06/24 18:39	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			06/06/24 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/09/24 03:12	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	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 03:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 03:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44377-3

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 09:00	06/09/24 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/06/24 09:00	06/09/24 03:12	1
o-Terphenyl	87		70 - 130				06/06/24 09:00	06/09/24 03:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		5.05		mg/Kg			06/08/24 16:54	1

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

Lab Sample ID: 880-44377-4

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 18:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 18:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 18:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 18:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 18:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/06/24 08:47	06/06/24 18:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/06/24 08:47	06/06/24 18:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/09/24 03:26	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		06/06/24 09:00	06/09/24 03:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 03:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/06/24 09:00	06/09/24 03:26	1
o-Terphenyl	75		70 - 130				06/06/24 09:00	06/09/24 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.97		mg/Kg			06/08/24 16:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44377-5

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 19:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 19:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 19:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 19:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 19:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 19:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 19:20	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			06/06/24 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/09/24 03:42	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		06/06/24 09:00	06/09/24 03:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	06/06/24 09:00	06/09/24 03:42	1
o-Terphenyl	65	S1-	70 - 130	06/06/24 09:00	06/09/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.3		5.01		mg/Kg			06/08/24 17:05	1

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

Lab Sample ID: 880-44377-6

Date Collected: 06/03/24 00:00

Matrix: Solid

Date Received: 06/05/24 14:45

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		06/06/24 08:47	06/06/24 19:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 19:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 19:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 19:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 19:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 19:40	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 19:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/06/24 19:40	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			06/09/24 03:56	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 03:56	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 03:56	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 03:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130				06/06/24 09:00	06/09/24 03:56	1	
o-Terphenyl	95		70 - 130				06/06/24 09:00	06/09/24 03:56	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	80.0		4.97		mg/Kg			06/08/24 17:10	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-44375-A-42-A MS	Matrix Spike	97	100
880-44375-A-42-B MSD	Matrix Spike Duplicate	101	102
880-44377-1	H-1 (0-0.5')	103	102
880-44377-2	H-2 (0-0.5')	102	103
880-44377-3	H-3 (0-0.5')	103	102
880-44377-4	H-4 (0-0.5')	103	102
880-44377-5	H-5 (0-0.5')	102	103
880-44377-6	H-6 (0-0.5')	103	103
LCS 880-82443/1-A	Lab Control Sample	99	100
LCSD 880-82443/2-A	Lab Control Sample Dup	100	100
MB 880-82443/5-A	Method Blank	101	99
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)
880-44375-A-41-C MS	Matrix Spike	109	89
880-44375-A-41-D MSD	Matrix Spike Duplicate	109	88
880-44377-1	H-1 (0-0.5')	94	90
880-44377-2	H-2 (0-0.5')	97	89
880-44377-3	H-3 (0-0.5')	94	87
880-44377-4	H-4 (0-0.5')	82	75
880-44377-5	H-5 (0-0.5')	70	65 S1-
880-44377-6	H-6 (0-0.5')	104	95
LCS 880-82446/2-A	Lab Control Sample	109	90
MB 880-82446/1-A	Method Blank	122	109
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82443/5-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/06/24 08:47	06/06/24 12:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/06/24 08:47	06/06/24 12:35	1

Lab Sample ID: LCS 880-82443/1-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09289		mg/Kg		93	70 - 130
Toluene	0.100	0.08423		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08254		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1733		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08568		mg/Kg		86	70 - 130

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

Lab Sample ID: LCSD 880-82443/2-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	8	35
Toluene	0.100	0.09087		mg/Kg		91	70 - 130	8	35
Ethylbenzene	0.100	0.08930		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1867		mg/Kg		93	70 - 130	7	35
o-Xylene	0.100	0.09198		mg/Kg		92	70 - 130	7	35

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

Lab Sample ID: 880-44375-A-42-A MS

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44375-A-42-A MS
Matrix: Solid
Analysis Batch: 82440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09158		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1911		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09356		mg/Kg		94	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-44375-A-42-B MSD
Matrix: Solid
Analysis Batch: 82440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09611		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2005		mg/Kg		100	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09778		mg/Kg		98	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-82446/1-A
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82446

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		06/06/24 09:00	06/08/24 23:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: LCS 880-82446/2-A
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	901.0		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-82446/2-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82446

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-44375-A-41-C MS

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82446

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	992	876.1		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	992	835.0		mg/Kg		84	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	89		70 - 130							

Lab Sample ID: 880-44375-A-41-D MSD

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82446

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	992	955.0		mg/Kg		96	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	992	842.2		mg/Kg		85	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	109		70 - 130									
o-Terphenyl	88		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82432/1-A

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			06/08/24 00:15	1	

Lab Sample ID: LCS 880-82432/2-A

Matrix: Solid

Analysis Batch: 82475

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	251.7		mg/Kg		101	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-82432/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 82475											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.1		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-44376-A-5-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 82475											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1980	F1	1250	3058	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 880-44376-A-5-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 82475											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1980	F1	1250	3141		mg/Kg		93	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 82440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	8021B	82443
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	8021B	82443
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	8021B	82443
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	8021B	82443
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	8021B	82443
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	8021B	82443
MB 880-82443/5-A	Method Blank	Total/NA	Solid	8021B	82443
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	8021B	82443
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82443
880-44375-A-42-A MS	Matrix Spike	Total/NA	Solid	8021B	82443
880-44375-A-42-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	82443

Prep Batch: 82443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-82443/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44375-A-42-A MS	Matrix Spike	Total/NA	Solid	5035	
880-44375-A-42-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 82650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 82446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
880-44375-A-41-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-44375-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 82711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	82446
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	82446
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015B NM	82446
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82446
880-44375-A-41-C MS	Matrix Spike	Total/NA	Solid	8015B NM	82446
880-44375-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82446

Analysis Batch: 82810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-44377-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-44377-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-44377-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-44377-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-44377-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 82432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-44377-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-44377-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-44377-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-44377-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-44377-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-82432/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82432/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82432/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44376-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44376-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 82475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44377-1	H-1 (0-0.5')	Soluble	Solid	300.0	82432
880-44377-2	H-2 (0-0.5')	Soluble	Solid	300.0	82432
880-44377-3	H-3 (0-0.5')	Soluble	Solid	300.0	82432
880-44377-4	H-4 (0-0.5')	Soluble	Solid	300.0	82432
880-44377-5	H-5 (0-0.5')	Soluble	Solid	300.0	82432
880-44377-6	H-6 (0-0.5')	Soluble	Solid	300.0	82432
MB 880-82432/1-A	Method Blank	Soluble	Solid	300.0	82432
LCS 880-82432/2-A	Lab Control Sample	Soluble	Solid	300.0	82432
LCSD 880-82432/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82432
880-44376-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	82432
880-44376-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	82432

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-1
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			4.95 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 17:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82810	06/09/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 02:41	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:44	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 18:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 18:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82810	06/09/24 02:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 02:57	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:49	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 18:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82810	06/09/24 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 03:12	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:54	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 18:59	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82810	06/09/24 03:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 03:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 16:59	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 19:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82810	06/09/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 03:42	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 17:05	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 06/03/24 00:00
Date Received: 06/05/24 14:45

Lab Sample ID: 880-44377-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 19:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82650	06/06/24 19:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82810	06/09/24 03:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 03:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82432	06/05/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82475	06/08/24 17:10	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: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44377-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44377-1	H-1 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44377-2	H-2 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44377-3	H-3 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44377-4	H-4 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44377-5	H-5 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45
880-44377-6	H-6 (0-0.5')	Solid	06/03/24 00:00	06/05/24 14:45

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Chain of Custody

W/C



880-44377 Chain of Custody

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Perturb ☐ State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:
--

Project Name:		Queenie Fed Com 503 CTB (05.16.24)				Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number:		2375		☐ Routine ☒ Rush		Prst. Code											None: NO	DI Water: H ₂ O	
Project Location:		Lea County, New Mexico				Due Date:		5 day									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 ☒		Well Ice:		Yes ☒ No ☒								H ₃ PO ₄ : HP			
Received Intact:		Yes ☒ No ☒		Thermometer ID:												NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes ☒ No ☒		Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes ☒ No ☒		Temperature Reading:		7.7										Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:												NaOH+Ascorbic Acid: SASC			
Sample Identification		Date		Time		Soil		Water		Grab Comp		# of Cont				Sample Comments			
H-1 (0-0.5')		6/3/2024				X				G		1		X		X			
H-2 (0-0.5')		6/3/2024				X				G		1		X		X			
H-3 (0-0.5')		6/3/2024				X				G		1		X		X			
H-4 (0-0.5')		6/3/2024				X				G		1		X		X			
H-5 (0-0.5')		6/3/2024				X				G		1		X		X			
H-6 (0-0.5')		6/3/2024				X				G		1		X		X			

Comments: Email results to Mike Carmona mcarmona@cammonaresources.com, Conner Moehring cmoehring@cammonaresources.com, Clint Merritt Merritt cmerritt@cammonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	6/5/24 @ 14:44	<i>[Signature]</i>	6/5/24 14:15

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44377-1
SDG Number: Lea County, New Mexico

Login Number: 44377
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/11/2024 2:55:04 PM Revision 1

JOB DESCRIPTION

Queenie Fed Com 503 CTB (05.16.24)
Lea County, New Mexico

JOB NUMBER

880-44375-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
7/11/2024 2:55:04 PM
Revision 1

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Laboratory Job ID: 880-44375-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1

Job ID: 880-44375-1

Eurofins Midland

Job Narrative 880-44375-1

REVISION

The report being provided is a revision of the original report sent on 6/10/2024. The report (revision 1) is being revised due to Revision needed to include COC on final report.

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/5/2024 3:14 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 7.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1') (880-44375-1), CS-2 (1') (880-44375-2), CS-3 (1') (880-44375-3), CS-4 (1') (880-44375-4), CS-5 (1') (880-44375-5), CS-6 (1') (880-44375-6), CS-7 (1') (880-44375-7), CS-8 (1') (880-44375-8), CS-9 (1.5') (880-44375-9), CS-10 (1.5') (880-44375-10), CS-11 (1.5') (880-44375-11), CS-12 (1.5') (880-44375-12), CS-13 (1.5') (880-44375-13), CS-14 (1.5') (880-44375-14), CS-15 (1.5') (880-44375-15), CS-16 (1.5') (880-44375-16), CS-17 (1.5') (880-44375-17), CS-18 (1.5') (880-44375-18), CS-19 (1.5') (880-44375-19), CS-20 (1.5') (880-44375-20), CS-21 (1.5') (880-44375-21), CS-22 (1.5') (880-44375-22), SW-1 (1') (880-44375-23), SW-2 (1') (880-44375-24), SW-3 (1') (880-44375-25), SW-4 (1.5') (880-44375-26), SW-5 (0.5') (880-44375-27), SW-6 (1.5') (880-44375-28), SW-7 (1.5') (880-44375-29), SW-8 (1.5') (880-44375-30), SW-9 (1.5') (880-44375-31), SW-10 (1.5') (880-44375-32), SW-11 (1.5') (880-44375-33), SW-12 (1.5') (880-44375-34), SW-13 (1.5') (880-44375-35), SW-14 (1.5') (880-44375-36), SW-15 (1') (880-44375-37), SW-16 (1') (880-44375-38), SW-17 (1') (880-44375-39), SW-18 (1') (880-44375-40), SW-19 (1') (880-44375-41), SW-20 (1') (880-44375-42), SW-21 (1') (880-44375-43) and SW-22 (1') (880-44375-44).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-82332 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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: CCV was biased high for both gasoline and diesel range hydrocarbons; however, since another CCV was acceptable within the 20 sample bracket the data was qualified and reported.

(CCV 880-82709/33)

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-82711 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-82711/21), (CCV 880-82711/33) and (CCV 880-82711/6).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-19 (1') (880-44375-41), SW-20 (1') (880-44375-42), SW-21 (1') (880-44375-43) and SW-22 (1') (880-44375-44). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Carmona Resources
Project: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1

Job ID: 880-44375-1 (Continued) Eurofins Midland

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 880-82428 and analytical batch 880-82451 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-44375-1

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:38	06/06/24 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:38	06/06/24 00:13	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/05/24 15:38	06/06/24 00:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 00:13	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			06/06/24 00:13	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			06/08/24 17:05	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		06/06/24 08:53	06/08/24 17:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 17:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 17:05	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	06/06/24 08:53	06/08/24 17:05	1
o-Terphenyl	93		70 - 130	06/06/24 08:53	06/08/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		5.00		mg/Kg			06/07/24 00:01	1

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-44375-2

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 00:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 00:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:38	06/06/24 00:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:38	06/06/24 00:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-44375-2

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 00:33	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 00:33	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			06/06/24 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/08/24 17:50	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	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 17:50	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 17:50	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 17:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/06/24 08:53	06/08/24 17:50	1
o-Terphenyl	100		70 - 130	06/06/24 08:53	06/08/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.99		mg/Kg			06/07/24 00:16	1

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-44375-3

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 00:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 00:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 00:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/24 15:38	06/06/24 00:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 00:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/24 15:38	06/06/24 00:54	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/05/24 15:38	06/06/24 00:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/06/24 00:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-44375-3

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/08/24 18:05	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		06/06/24 08:53	06/08/24 18:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 18:05	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 18:05	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/06/24 08:53	06/08/24 18:05	1
o-Terphenyl	87		70 - 130	06/06/24 08:53	06/08/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.00		mg/Kg			06/07/24 00:21	1

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-44375-4

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 01:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 01:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 01:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/24 15:38	06/06/24 01:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 01:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/24 15:38	06/06/24 01:14	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 01:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 01:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/06/24 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/08/24 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 18:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 18:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 18:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-4

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	06/06/24 08:53	06/08/24 18:20	1
o-Terphenyl	91		70 - 130	06/06/24 08:53	06/08/24 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		4.99		mg/Kg			06/07/24 00:26	1

Client Sample ID: CS-5 (1')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-5

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		06/05/24 15:38	06/06/24 01:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 01:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 01:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:38	06/06/24 01:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:38	06/06/24 01:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:38	06/06/24 01:35	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/05/24 15:38	06/06/24 01:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 01:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/06/24 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/08/24 18:35	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	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 18:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 18:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 18:35	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/06/24 08:53	06/08/24 18:35	1
o-Terphenyl	81		70 - 130	06/06/24 08:53	06/08/24 18:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.98		mg/Kg			06/07/24 00:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-44375-6

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 01:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 01:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 01:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/05/24 15:38	06/06/24 01:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 01:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/05/24 15:38	06/06/24 01:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 01:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 01:55	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			06/06/24 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/08/24 18:50	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		06/06/24 08:53	06/08/24 18:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 18:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 18:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/06/24 08:53	06/08/24 18:50	1
o-Terphenyl	81		70 - 130	06/06/24 08:53	06/08/24 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.96		mg/Kg			06/07/24 00:47	1

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-44375-7

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 02:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 02:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 02:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/05/24 15:38	06/06/24 02:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:38	06/06/24 02:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/05/24 15:38	06/06/24 02:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-44375-7

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/05/24 15:38	06/06/24 02:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 02:16	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			06/06/24 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/08/24 19:05	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		06/06/24 08:53	06/08/24 19:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 19:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 19:05	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	06/06/24 08:53	06/08/24 19:05	1
o-Terphenyl	100		70 - 130	06/06/24 08:53	06/08/24 19:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		4.97		mg/Kg			06/07/24 00:52	1

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-44375-8

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 02:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 02:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 02:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:38	06/06/24 02:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:38	06/06/24 02:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:38	06/06/24 02:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 02:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 02:36	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			06/06/24 02:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-44375-8

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/08/24 19:20	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		06/06/24 08:53	06/08/24 19:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 19:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 19:20	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/06/24 08:53	06/08/24 19:20	1
o-Terphenyl	84		70 - 130	06/06/24 08:53	06/08/24 19:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.3		4.96		mg/Kg			06/07/24 00:57	1

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-44375-9

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 02:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 02:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 02:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/24 15:38	06/06/24 02:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:38	06/06/24 02:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/24 15:38	06/06/24 02:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/24 15:38	06/06/24 02:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 15:38	06/06/24 02:57	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			06/06/24 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/08/24 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 19:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 19:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/06/24 08:53	06/08/24 19:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-44375-9

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/06/24 08:53	06/08/24 19:34	1
o-Terphenyl	87		70 - 130	06/06/24 08:53	06/08/24 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		5.00		mg/Kg			06/07/24 01:02	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-44375-10

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:38	06/06/24 03:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 03:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 03:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 15:38	06/06/24 03:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/06/24 03:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 15:38	06/06/24 03:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/05/24 15:38	06/06/24 03:17	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/05/24 15:38	06/06/24 03:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/06/24 03:17	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			06/08/24 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	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 19:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 19:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 19:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/06/24 08:53	06/08/24 19:50	1
o-Terphenyl	82		70 - 130	06/06/24 08:53	06/08/24 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		4.98		mg/Kg			06/07/24 01:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-44375-11

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 12:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 12:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 12:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/24 09:47	06/06/24 12:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 12:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/24 09:47	06/06/24 12:31	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/06/24 09:47	06/06/24 12:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/24 09:47	06/06/24 12:31	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			06/06/24 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/08/24 20:19	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	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 20:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 20:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 20:19	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/06/24 08:53	06/08/24 20:19	1
o-Terphenyl	90		70 - 130	06/06/24 08:53	06/08/24 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9	F1	5.04		mg/Kg			06/07/24 01:12	1

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-44375-12

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 12:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 12:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 12:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 12:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 12:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 12:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-44375-12

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/06/24 09:47	06/06/24 12:51	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/06/24 09:47	06/06/24 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 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	<49.7	U	49.7		mg/Kg			06/08/24 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 20:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 20:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 20:34	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/06/24 08:53	06/08/24 20:34	1
o-Terphenyl	88		70 - 130	06/06/24 08:53	06/08/24 20:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		4.99		mg/Kg			06/07/24 01:27	1

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-44375-13

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 13:12	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/06/24 09:47	06/06/24 13:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/06/24 09:47	06/06/24 13:12	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			06/06/24 13:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-44375-13

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/08/24 20:51	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	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 20:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 20:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 20:51	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/06/24 08:53	06/08/24 20:51	1
o-Terphenyl	83		70 - 130	06/06/24 08:53	06/08/24 20:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.00		mg/Kg			06/07/24 01:32	1

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-44375-14

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 13:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 13:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 13:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 13:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/06/24 09:47	06/06/24 13:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/06/24 09:47	06/06/24 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			06/06/24 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	<50.0	U	50.0		mg/Kg			06/08/24 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 21:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 21:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 21:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-44375-14

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/06/24 08:53	06/08/24 21:06	1
o-Terphenyl	82		70 - 130	06/06/24 08:53	06/08/24 21:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	870		5.01		mg/Kg			06/11/24 13:33	1

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-44375-15

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 13:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 13:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 13:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/24 09:47	06/06/24 13:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/24 09:47	06/06/24 13:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/24 09:47	06/06/24 13:53	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/06/24 09:47	06/06/24 13:53	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/24 09:47	06/06/24 13:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/06/24 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/08/24 21:21	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		06/06/24 08:53	06/08/24 21:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 21:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 21:21	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/06/24 08:53	06/08/24 21:21	1
o-Terphenyl	81		70 - 130	06/06/24 08:53	06/08/24 21:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.95		mg/Kg			06/07/24 01:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-44375-16

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 14:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 14:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 14:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 14:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 14:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 14:13	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/06/24 09:47	06/06/24 14:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/06/24 09:47	06/06/24 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 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	<49.8	U	49.8		mg/Kg			06/08/24 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 21:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 21:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 21:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/06/24 08:53	06/08/24 21:37	1
o-Terphenyl	86		70 - 130	06/06/24 08:53	06/08/24 21:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		5.02		mg/Kg			06/07/24 01:57	1

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-44375-17

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 14:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 14:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 14:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 14:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/24 09:47	06/06/24 14:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/24 09:47	06/06/24 14:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-44375-17

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/06/24 09:47	06/06/24 14:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/24 09:47	06/06/24 14:34	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			06/06/24 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/08/24 21:52	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		06/06/24 08:53	06/08/24 21:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 21:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 21:52	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/06/24 08:53	06/08/24 21:52	1
o-Terphenyl	74		70 - 130	06/06/24 08:53	06/08/24 21:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		5.01		mg/Kg			06/07/24 02:02	1

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-44375-18

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 14:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 09:47	06/06/24 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 14:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 09:47	06/06/24 14:54	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/06/24 09:47	06/06/24 14:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/24 09:47	06/06/24 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/06/24 14:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-44375-18

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/08/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 22:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 22:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:53	06/08/24 22:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/06/24 08:53	06/08/24 22:07	1
o-Terphenyl	72		70 - 130	06/06/24 08:53	06/08/24 22:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.4		4.97		mg/Kg			06/07/24 02:07	1

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-44375-19

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 15:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 15:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 15:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/24 09:47	06/06/24 15:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 15:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/24 09:47	06/06/24 15:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/06/24 09:47	06/06/24 15:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/06/24 09:47	06/06/24 15:15	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			06/06/24 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/08/24 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	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 22:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 22:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:53	06/08/24 22:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-44375-19

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/06/24 08:53	06/08/24 22:21	1
o-Terphenyl	77		70 - 130	06/06/24 08:53	06/08/24 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.9		4.99		mg/Kg			06/07/24 02:12	1

Client Sample ID: CS-20 (1.5')

Lab Sample ID: 880-44375-20

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 09:47	06/06/24 16:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 16:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 16:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 16:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 09:47	06/06/24 16:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 09:47	06/06/24 16:49	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/06/24 09:47	06/06/24 16:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/06/24 09:47	06/06/24 16:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 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			06/08/24 22:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 22:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 22:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:53	06/08/24 22:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/06/24 08:53	06/08/24 22:37	1
o-Terphenyl	82		70 - 130	06/06/24 08:53	06/08/24 22:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.1		4.95		mg/Kg			06/07/24 02:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1.5')

Lab Sample ID: 880-44375-21

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 00:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 00:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 00:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 00:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 00:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 00:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/05/24 15:40	06/06/24 00:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/05/24 15:40	06/06/24 00:07	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			06/06/24 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 01:10	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	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:10	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/06/24 08:57	06/09/24 01:10	1
o-Terphenyl	79		70 - 130	06/06/24 08:57	06/09/24 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.4		4.96		mg/Kg			06/07/24 05:19	1

Client Sample ID: CS-22 (1.5')

Lab Sample ID: 880-44375-22

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 00:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 00:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 00:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 00:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 00:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 00:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-22 (1.5')

Lab Sample ID: 880-44375-22

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/05/24 15:40	06/06/24 00:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:40	06/06/24 00:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 00:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 01:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/06/24 08:57	06/09/24 01:55	1
o-Terphenyl	83		70 - 130	06/06/24 08:57	06/09/24 01:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.96		mg/Kg			06/07/24 05:38	1

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-44375-23

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 00:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 00:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 00:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 00:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 00:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 00:48	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/05/24 15:40	06/06/24 00:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 00:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/06/24 00:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-23
Matrix: Solid

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			06/09/24 02:09	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		06/06/24 08:57	06/09/24 02:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 02:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 02:09	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				06/06/24 08:57	06/09/24 02:09	1
o-Terphenyl	80		70 - 130				06/06/24 08:57	06/09/24 02:09	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		4.98		mg/Kg			06/07/24 05:44	1

Client Sample ID: SW-2 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-24
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/24 15:40	06/06/24 01:08	1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/05/24 15:40	06/06/24 01:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/05/24 15:40	06/06/24 01:08	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			06/06/24 01:08	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			06/09/24 02:26	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		06/06/24 08:57	06/09/24 02:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 02:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 02:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-44375-24

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/06/24 08:57	06/09/24 02:26	1
o-Terphenyl	92		70 - 130	06/06/24 08:57	06/09/24 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.97		mg/Kg			06/07/24 05:51	1

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-44375-25

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 01:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 01:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 01:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 01:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 01:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 01:28	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/05/24 15:40	06/06/24 01:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:40	06/06/24 01:28	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			06/06/24 01:28	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			06/09/24 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 02:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 02:41	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/06/24 08:57	06/09/24 02:41	1
o-Terphenyl	90		70 - 130	06/06/24 08:57	06/09/24 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.96		mg/Kg			06/07/24 05:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-44375-26

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 01:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/05/24 15:40	06/06/24 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 01:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/05/24 15:40	06/06/24 01:49	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/05/24 15:40	06/06/24 01:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 01:49	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			06/06/24 01:49	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			06/09/24 02:57	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		06/06/24 08:57	06/09/24 02:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 02:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 02:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/06/24 08:57	06/09/24 02:57	1
o-Terphenyl	89		70 - 130	06/06/24 08:57	06/09/24 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		5.00		mg/Kg			06/07/24 06:16	1

Client Sample ID: SW-5 (0.5')

Lab Sample ID: 880-44375-27

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 02:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 02:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 02:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/05/24 15:40	06/06/24 02:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 02:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/05/24 15:40	06/06/24 02:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (0.5')

Lab Sample ID: 880-44375-27

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/05/24 15:40	06/06/24 02:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 02:09	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			06/06/24 02:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 03:12	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		06/06/24 08:57	06/09/24 03:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:12	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/06/24 08:57	06/09/24 03:12	1
o-Terphenyl	82		70 - 130	06/06/24 08:57	06/09/24 03:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.02		mg/Kg			06/07/24 06:22	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-44375-28

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 02:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 02:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 02:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 02:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 02:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 02:30	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/05/24 15:40	06/06/24 02:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/05/24 15:40	06/06/24 02:30	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			06/06/24 02:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-44375-28

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/09/24 03:26	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		06/06/24 08:57	06/09/24 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 03:26	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/06/24 08:57	06/09/24 03:26	1
o-Terphenyl	88		70 - 130	06/06/24 08:57	06/09/24 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		4.98		mg/Kg			06/07/24 06:29	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-44375-29

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 02:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 02:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 02:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/24 15:40	06/06/24 02:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/05/24 15:40	06/06/24 02:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/24 15:40	06/06/24 02:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/05/24 15:40	06/06/24 02:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 02:50	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			06/06/24 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 03:42	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		06/06/24 08:57	06/09/24 03:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (1.5')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-29

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/06/24 08:57	06/09/24 03:42	1
o-Terphenyl	84		70 - 130	06/06/24 08:57	06/09/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.02		mg/Kg			06/07/24 06:35	1

Client Sample ID: SW-8 (1.5')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-30

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		06/05/24 15:40	06/06/24 03:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 03:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 03:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 15:40	06/06/24 03:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 03:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 15:40	06/06/24 03:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/05/24 15:40	06/06/24 03:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/06/24 03:11	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			06/09/24 03:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 03:56	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/06/24 08:57	06/09/24 03:56	1
o-Terphenyl	89		70 - 130	06/06/24 08:57	06/09/24 03:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.6		4.97		mg/Kg			06/07/24 06:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-44375-31

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 04:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 04:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 04:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 04:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 04:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 04:44	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/05/24 15:40	06/06/24 04:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:40	06/06/24 04:44	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			06/06/24 04:44	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			06/09/24 04:26	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	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 04:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 04:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 04:26	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/06/24 08:57	06/09/24 04:26	1
o-Terphenyl	91		70 - 130	06/06/24 08:57	06/09/24 04:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.0		4.99		mg/Kg			06/07/24 06:48	1

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-44375-32

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 05:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 05:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 05:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/05/24 15:40	06/06/24 05:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 05:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/05/24 15:40	06/06/24 05:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-44375-32

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/05/24 15:40	06/06/24 05:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:40	06/06/24 05:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/06/24 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 04:42	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		06/06/24 08:57	06/09/24 04:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 04:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 04:42	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/06/24 08:57	06/09/24 04:42	1
o-Terphenyl	90		70 - 130	06/06/24 08:57	06/09/24 04:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		4.99		mg/Kg			06/07/24 07:06	1

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-44375-33

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 05:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 05:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 05:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 05:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 05:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 05:25	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/05/24 15:40	06/06/24 05:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 05:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/06/24 05:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-44375-33

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/09/24 04:57	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		06/06/24 08:57	06/09/24 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 04:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/06/24 08:57	06/09/24 04:57	1
o-Terphenyl	83		70 - 130	06/06/24 08:57	06/09/24 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00		mg/Kg			06/07/24 07:13	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-44375-34

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 05:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 05:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 05:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 05:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 05:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 05:46	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/05/24 15:40	06/06/24 05:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 05:46	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			06/06/24 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/09/24 05:14	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		06/06/24 08:57	06/09/24 05:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 05:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 05:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-44375-34

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/06/24 08:57	06/09/24 05:14	1
o-Terphenyl	93		70 - 130	06/06/24 08:57	06/09/24 05:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.02		mg/Kg			06/07/24 07:32	1

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-44375-35

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 06:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 06:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 06:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 06:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 06:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 06:06	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/05/24 15:40	06/06/24 06:06	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 06:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 06:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 05:28	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		06/06/24 08:57	06/09/24 05:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 05:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 05:28	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/06/24 08:57	06/09/24 05:28	1
o-Terphenyl	79		70 - 130	06/06/24 08:57	06/09/24 05:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.1		4.97		mg/Kg			06/07/24 07:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-44375-36

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 06:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 06:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 06:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 06:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 15:40	06/06/24 06:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 15:40	06/06/24 06:27	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/05/24 15:40	06/06/24 06:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:40	06/06/24 06:27	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			06/06/24 06:27	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			06/09/24 05:45	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		06/06/24 08:57	06/09/24 05:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 05:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 08:57	06/09/24 05:45	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/06/24 08:57	06/09/24 05:45	1
o-Terphenyl	91		70 - 130	06/06/24 08:57	06/09/24 05:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.02		mg/Kg			06/07/24 07:44	1

Client Sample ID: SW-15 (1')

Lab Sample ID: 880-44375-37

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 06:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 06:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 06:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 06:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 06:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/24 15:40	06/06/24 06:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (1')

Lab Sample ID: 880-44375-37

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/05/24 15:40	06/06/24 06:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 06:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/06/24 06:47	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			06/09/24 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:00	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/06/24 08:57	06/09/24 06:00	1
o-Terphenyl	92		70 - 130	06/06/24 08:57	06/09/24 06:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.6		5.02		mg/Kg			06/07/24 07:51	1

Client Sample ID: SW-16 (1')

Lab Sample ID: 880-44375-38

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 07:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 07:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 07:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/05/24 15:40	06/06/24 07:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/06/24 07:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/05/24 15:40	06/06/24 07:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/05/24 15:40	06/06/24 07:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 07:07	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			06/06/24 07:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-16 (1')

Lab Sample ID: 880-44375-38

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/09/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 06:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 06:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 08:57	06/09/24 06:16	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/06/24 08:57	06/09/24 06:16	1
o-Terphenyl	82		70 - 130	06/06/24 08:57	06/09/24 06:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.4		5.02		mg/Kg			06/07/24 07:57	1

Client Sample ID: SW-17 (1')

Lab Sample ID: 880-44375-39

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 07:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 07:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 07:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/05/24 15:40	06/06/24 07:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/24 15:40	06/06/24 07:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/05/24 15:40	06/06/24 07:28	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/05/24 15:40	06/06/24 07:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/24 15:40	06/06/24 07:28	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			06/06/24 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 06:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 08:57	06/09/24 06:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-17 (1')

Lab Sample ID: 880-44375-39

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/06/24 08:57	06/09/24 06:31	1
o-Terphenyl	78		70 - 130	06/06/24 08:57	06/09/24 06:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.3		4.98		mg/Kg			06/07/24 08:03	1

Client Sample ID: SW-18 (1')

Lab Sample ID: 880-44375-40

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 15:40	06/06/24 07:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 07:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 07:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 07:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/24 15:40	06/06/24 07:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/24 15:40	06/06/24 07:48	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/05/24 15:40	06/06/24 07:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/05/24 15:40	06/06/24 07:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/06/24 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/09/24 06:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 06:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 06:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 06:47	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/06/24 08:57	06/09/24 06:47	1
o-Terphenyl	83		70 - 130	06/06/24 08:57	06/09/24 06:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.6		5.04		mg/Kg			06/07/24 08:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-19 (1')

Lab Sample ID: 880-44375-41

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/05/24 17:00	06/05/24 19:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/24 17:00	06/05/24 19:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/24 17:00	06/05/24 19:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/24 17:00	06/05/24 19:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/24 17:00	06/05/24 19:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/24 17:00	06/05/24 19:14	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/05/24 17:00	06/05/24 19:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/05/24 17:00	06/05/24 19:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/24 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/09/24 01:10	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	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 01:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/09/24 01:10	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	06/06/24 09:00	06/09/24 01:10	1
o-Terphenyl	64	S1-	70 - 130	06/06/24 09:00	06/09/24 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.1		4.97		mg/Kg			06/07/24 05:54	1

Client Sample ID: SW-20 (1')

Lab Sample ID: 880-44375-42

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 08:47	06/06/24 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/24 08:47	06/06/24 12:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-20 (1')

Lab Sample ID: 880-44375-42

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 12:57	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/06/24 08:47	06/06/24 12:57	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			06/06/24 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/09/24 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 01:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 01:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/06/24 09:00	06/09/24 01:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	06/06/24 09:00	06/09/24 01:55	1
o-Terphenyl	50	S1-	70 - 130	06/06/24 09:00	06/09/24 01:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		4.99		mg/Kg			06/07/24 06:09	1

Client Sample ID: SW-21 (1')

Lab Sample ID: 880-44375-43

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 08:47	06/06/24 13:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 13:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 13:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 13:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/24 08:47	06/06/24 13:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/24 08:47	06/06/24 13:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 13:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/06/24 08:47	06/06/24 13:17	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			06/06/24 13:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-21 (1')

Lab Sample ID: 880-44375-43

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			06/09/24 02:09	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		06/06/24 09:00	06/09/24 02:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 02:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/24 09:00	06/09/24 02:09	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	06/06/24 09:00	06/09/24 02:09	1
o-Terphenyl	66	S1-	70 - 130	06/06/24 09:00	06/09/24 02:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.04		mg/Kg			06/07/24 06:14	1

Client Sample ID: SW-22 (1')

Lab Sample ID: 880-44375-44

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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		06/06/24 08:47	06/06/24 13:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 13:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 13:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 13:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/24 08:47	06/06/24 13:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/24 08:47	06/06/24 13:38	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/06/24 08:47	06/06/24 13:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/06/24 08:47	06/06/24 13:38	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			06/06/24 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/09/24 02:26	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	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 02:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 02:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/24 09:00	06/09/24 02:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-22 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-44
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	06/06/24 09:00	06/09/24 02:26	1
o-Terphenyl	69	S1-	70 - 130	06/06/24 09:00	06/09/24 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		4.98		mg/Kg			06/07/24 06:19	1

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

Surrogate Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-44375-1	CS-1 (1')	101	103
880-44375-1 MS	CS-1 (1')	99	102
880-44375-1 MSD	CS-1 (1')	100	100
880-44375-2	CS-2 (1')	102	102
880-44375-3	CS-3 (1')	99	102
880-44375-4	CS-4 (1')	102	103
880-44375-5	CS-5 (1')	101	103
880-44375-6	CS-6 (1')	102	103
880-44375-7	CS-7 (1')	99	102
880-44375-8	CS-8 (1')	102	103
880-44375-9	CS-9 (1.5')	102	103
880-44375-10	CS-10 (1.5')	104	104
880-44375-11	CS-11 (1.5')	106	96
880-44375-12	CS-12 (1.5')	114	94
880-44375-13	CS-13 (1.5')	108	97
880-44375-14	CS-14 (1.5')	108	97
880-44375-15	CS-15 (1.5')	109	96
880-44375-16	CS-16 (1.5')	107	95
880-44375-17	CS-17 (1.5')	105	96
880-44375-18	CS-18 (1.5')	107	96
880-44375-19	CS-19 (1.5')	106	96
880-44375-20	CS-20 (1.5')	106	97
880-44375-21	CS-21 (1.5')	117	94
880-44375-21 MS	CS-21 (1.5')	105	101
880-44375-21 MSD	CS-21 (1.5')	105	101
880-44375-22	CS-22 (1.5')	108	98
880-44375-23	SW-1 (1')	110	97
880-44375-24	SW-2 (1')	110	98
880-44375-25	SW-3 (1')	111	98
880-44375-26	SW-4 (1.5')	109	97
880-44375-27	SW-5 (0.5')	109	97
880-44375-28	SW-6 (1.5')	112	94
880-44375-29	SW-7 (1.5')	107	97
880-44375-30	SW-8 (1.5')	107	97
880-44375-31	SW-9 (1.5')	109	98
880-44375-32	SW-10 (1.5')	109	98
880-44375-33	SW-11 (1.5')	107	97
880-44375-34	SW-12 (1.5')	108	97
880-44375-35	SW-13 (1.5')	106	97
880-44375-36	SW-14 (1.5')	111	98
880-44375-37	SW-15 (1')	106	97
880-44375-38	SW-16 (1')	107	97
880-44375-39	SW-17 (1')	108	97
880-44375-40	SW-18 (1')	107	96
880-44375-41	SW-19 (1')	103	103
880-44375-42	SW-20 (1')	102	104
880-44375-42 MS	SW-20 (1')	97	100
880-44375-42 MSD	SW-20 (1')	101	102
880-44375-43	SW-21 (1')	102	103

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-44375-1

Project/Site: Queenie Fed Com 503 CTB (05.16.24)

SDG: Lea County, New Mexico

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)
880-44375-44	SW-22 (1')	101	102
880-44382-A-1-A MS	Matrix Spike	107	101
880-44382-A-1-B MSD	Matrix Spike Duplicate	108	102
LCS 880-82340/1-A	Lab Control Sample	98	100
LCS 880-82426/1-A	Lab Control Sample	98	100
LCS 880-82427/1-A	Lab Control Sample	106	104
LCS 880-82443/1-A	Lab Control Sample	99	100
LCS 880-82455/1-A	Lab Control Sample	106	103
LCSD 880-82340/2-A	Lab Control Sample Dup	99	99
LCSD 880-82426/2-A	Lab Control Sample Dup	99	101
LCSD 880-82427/2-A	Lab Control Sample Dup	105	101
LCSD 880-82443/2-A	Lab Control Sample Dup	100	100
LCSD 880-82455/2-A	Lab Control Sample Dup	106	102
MB 880-82338/5-A	Method Blank	107	94
MB 880-82340/5-A	Method Blank	100	98
MB 880-82426/5-A	Method Blank	97	98
MB 880-82427/5-A	Method Blank	109	94
MB 880-82443/5-A	Method Blank	101	99
MB 880-82455/5-A	Method Blank	108	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-44375-1	CS-1 (1')	102	93
880-44375-1 MS	CS-1 (1')	113	91
880-44375-1 MSD	CS-1 (1')	113	93
880-44375-2	CS-2 (1')	111	100
880-44375-3	CS-3 (1')	98	87
880-44375-4	CS-4 (1')	100	91
880-44375-5	CS-5 (1')	90	81
880-44375-6	CS-6 (1')	89	81
880-44375-7	CS-7 (1')	107	100
880-44375-8	CS-8 (1')	94	84
880-44375-9	CS-9 (1.5')	95	87
880-44375-10	CS-10 (1.5')	89	82
880-44375-11	CS-11 (1.5')	101	90
880-44375-12	CS-12 (1.5')	97	88
880-44375-13	CS-13 (1.5')	90	83
880-44375-14	CS-14 (1.5')	90	82
880-44375-15	CS-15 (1.5')	89	81
880-44375-16	CS-16 (1.5')	96	86
880-44375-17	CS-17 (1.5')	81	74
880-44375-18	CS-18 (1.5')	79	72
880-44375-19	CS-19 (1.5')	87	77

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-44375-1

Project/Site: Queenie Fed Com 503 CTB (05.16.24)

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-44375-20	CS-20 (1.5')	88	82
880-44375-21	CS-21 (1.5')	85	79
880-44375-21 MS	CS-21 (1.5')	108	88
880-44375-21 MSD	CS-21 (1.5')	109	90
880-44375-22	CS-22 (1.5')	87	83
880-44375-23	SW-1 (1')	80	80
880-44375-24	SW-2 (1')	96	92
880-44375-25	SW-3 (1')	94	90
880-44375-26	SW-4 (1.5')	99	89
880-44375-27	SW-5 (0.5')	84	82
880-44375-28	SW-6 (1.5')	93	88
880-44375-29	SW-7 (1.5')	87	84
880-44375-30	SW-8 (1.5')	89	89
880-44375-31	SW-9 (1.5')	95	91
880-44375-32	SW-10 (1.5')	95	90
880-44375-33	SW-11 (1.5')	85	83
880-44375-34	SW-12 (1.5')	96	93
880-44375-35	SW-13 (1.5')	81	79
880-44375-36	SW-14 (1.5')	95	91
880-44375-37	SW-15 (1')	95	92
880-44375-38	SW-16 (1')	84	82
880-44375-39	SW-17 (1')	79	78
880-44375-40	SW-18 (1')	84	83
880-44375-41	SW-19 (1')	70	64 S1-
880-44375-41 MS	SW-19 (1')	109	89
880-44375-41 MSD	SW-19 (1')	109	88
880-44375-42	SW-20 (1')	55 S1-	50 S1-
880-44375-43	SW-21 (1')	72	66 S1-
880-44375-44	SW-22 (1')	73	69 S1-
LCS 880-82444/2-A	Lab Control Sample	110	89
LCS 880-82445/2-A	Lab Control Sample	117	95
LCS 880-82446/2-A	Lab Control Sample	109	90
LCSD 880-82444/3-A	Lab Control Sample Dup	112	91
LCSD 880-82445/3-A	Lab Control Sample Dup	118	97
MB 880-82444/1-A	Method Blank	112	103
MB 880-82445/1-A	Method Blank	117	107
MB 880-82446/1-A	Method Blank	122	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82338/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82332							Prep Batch: 82338		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 08:14	06/05/24 12:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/05/24 08:14	06/05/24 12:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/05/24 08:14	06/05/24 12:46	1

Lab Sample ID: MB 880-82340/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82334							Prep Batch: 82340		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 08:16	06/05/24 12:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/05/24 08:16	06/05/24 12:50	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/05/24 08:16	06/05/24 12:50	1

Lab Sample ID: LCS 880-82340/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82334							Prep Batch: 82340		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.08974		mg/Kg		90	70 - 130		
Toluene	0.100	0.08353		mg/Kg		84	70 - 130		
Ethylbenzene	0.100	0.08525		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene	0.200	0.1772		mg/Kg		89	70 - 130		
o-Xylene	0.100	0.08925		mg/Kg		89	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-82340/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82334							Prep Batch: 82340		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09341		mg/Kg		93	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-82340/2-A

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82340

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08716		mg/Kg		87	70 - 130	4	35
Ethylbenzene	0.100	0.08884		mg/Kg		89	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1844		mg/Kg		92	70 - 130	4	35
o-Xylene	0.100	0.09284		mg/Kg		93	70 - 130	4	35

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

Lab Sample ID: MB 880-82426/5-A

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/05/24 23:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/05/24 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/05/24 23:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 15:38	06/05/24 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:38	06/05/24 23:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 15:38	06/05/24 23:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/05/24 15:38	06/05/24 23:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/24 15:38	06/05/24 23:51	1

Lab Sample ID: LCS 880-82426/1-A

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1108		mg/Kg		111	70 - 130
Toluene	0.100	0.09994		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09694		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09969		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-82426/2-A

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1172		mg/Kg		117	70 - 130	6	35
Toluene	0.100	0.1057		mg/Kg		106	70 - 130	6	35
Ethylbenzene	0.100	0.1025		mg/Kg		103	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-82426/2-A

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130	5	35
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130	6	35

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

Lab Sample ID: 880-44375-1 MS

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 82426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1047		mg/Kg		105	70 - 130
Toluene	<0.00199	U	0.0996	0.09095		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08474		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1747		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08484		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-44375-1 MSD

Matrix: Solid

Analysis Batch: 82334

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 82426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1012		mg/Kg		100	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.08770		mg/Kg		87	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.101	0.08171		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1684		mg/Kg		84	70 - 130	4	35
o-Xylene	<0.00199	U	0.101	0.08193		mg/Kg		81	70 - 130	3	35

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

Lab Sample ID: MB 880-82427/5-A

Matrix: Solid

Analysis Batch: 82332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/05/24 23:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/05/24 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/05/24 23:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/24 15:40	06/05/24 23:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/24 15:40	06/05/24 23:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/24 15:40	06/05/24 23:45	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/05/24 15:40	06/05/24 23:45	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/05/24 15:40	06/05/24 23:45	1

Lab Sample ID: LCS 880-82427/1-A

Matrix: Solid

Analysis Batch: 82332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1279		mg/Kg		128	70 - 130
Toluene	0.100	0.1137		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2333		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-82427/2-A

Matrix: Solid

Analysis Batch: 82332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82427

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1168		mg/Kg		117	70 - 130	9	35
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	9	35
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2147		mg/Kg		107	70 - 130	8	35
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-44375-21 MS

Matrix: Solid

Analysis Batch: 82332

Client Sample ID: CS-21 (1.5')

Prep Type: Total/NA

Prep Batch: 82427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1062		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.0996	0.09128		mg/Kg		92	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08825		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1810		mg/Kg		91	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09000		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44375-21 MSD							Client Sample ID: CS-21 (1.5')				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 82332							Prep Batch: 82427				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1032		mg/Kg		102	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.08805		mg/Kg		87	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.101	0.08383		mg/Kg		83	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1710		mg/Kg		85	70 - 130	6	35
o-Xylene	<0.00199	U	0.101	0.08539		mg/Kg		85	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-82443/5-A							Client Sample ID: Method Blank			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 82440							Prep Batch: 82443			
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 08:47	06/06/24 12:35	1	
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	101		70 - 130				06/06/24 08:47	06/06/24 12:35	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				06/06/24 08:47	06/06/24 12:35	1	

Lab Sample ID: LCS 880-82443/1-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 82440					Prep Batch: 82443				
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		
							Limits		
Benzene	0.100	0.09289		mg/Kg		93		70 - 130	
Toluene	0.100	0.08423		mg/Kg		84		70 - 130	
Ethylbenzene	0.100	0.08254		mg/Kg		83		70 - 130	
m-Xylene & p-Xylene	0.200	0.1733		mg/Kg		87		70 - 130	
o-Xylene	0.100	0.08568		mg/Kg		86		70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-82443/2-A							Client Sample ID: Lab Control Sample Dup				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 82440							Prep Batch: 82443				
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	8	35		
Toluene	0.100	0.09087		mg/Kg		91	70 - 130	8	35		

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-82443/2-A

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.08930		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1867		mg/Kg		93	70 - 130	7	35
o-Xylene	0.100	0.09198		mg/Kg		92	70 - 130	7	35

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

Lab Sample ID: 880-44375-42 MS

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: SW-20 (1')

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09158		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1911		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09356		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-44375-42 MSD

Matrix: Solid

Analysis Batch: 82440

Client Sample ID: SW-20 (1')

Prep Type: Total/NA

Prep Batch: 82443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09611		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2005		mg/Kg		100	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09778		mg/Kg		98	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-82455/5-A

Matrix: Solid

Analysis Batch: 82438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 09:47	06/06/24 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 09:47	06/06/24 11:49	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-82455/5-A

Matrix: Solid

Analysis Batch: 82438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 09:47	06/06/24 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/06/24 09:47	06/06/24 11:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/06/24 09:47	06/06/24 11:49	1

Lab Sample ID: LCS 880-82455/1-A

Matrix: Solid

Analysis Batch: 82438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1206		mg/Kg		121	70 - 130
Toluene	0.100	0.1079		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1079		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2234		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-82455/2-A

Matrix: Solid

Analysis Batch: 82438

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1222		mg/Kg		122	70 - 130	1	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	2	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2270		mg/Kg		114	70 - 130	2	35
o-Xylene	0.100	0.1130		mg/Kg		113	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-44382-A-1-A MS

Matrix: Solid

Analysis Batch: 82438

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00312		0.100	0.1122		mg/Kg		109	70 - 130
Toluene	0.0111		0.100	0.09946		mg/Kg		88	70 - 130
Ethylbenzene	0.00229		0.100	0.09312		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.00738		0.200	0.1924		mg/Kg		92	70 - 130
o-Xylene	0.00270		0.100	0.09535		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44382-A-1-A MS
Matrix: Solid
Analysis Batch: 82438

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 82455

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-44382-A-1-B MSD
Matrix: Solid
Analysis Batch: 82438

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 82455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00312		0.100	0.1045		mg/Kg		101	70 - 130	7	35
Toluene	0.0111		0.100	0.09300		mg/Kg		82	70 - 130	7	35
Ethylbenzene	0.00229		0.100	0.08927		mg/Kg		87	70 - 130	4	35
m-Xylene & p-Xylene	0.00738		0.200	0.1856		mg/Kg		89	70 - 130	4	35
o-Xylene	0.00270		0.100	0.09323		mg/Kg		91	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-82444/1-A
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82444

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		06/06/24 08:53	06/08/24 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:53	06/08/24 14:02	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				06/06/24 08:53	06/08/24 14:02	1
1-Chlorooctane	112		70 - 130				06/06/24 08:53	06/08/24 14:02	1
o-Terphenyl	103		70 - 130				06/06/24 08:53	06/08/24 14:02	1

Lab Sample ID: LCS 880-82444/2-A
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.1		mg/Kg		91	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	89		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-82444/3-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82444

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1020		mg/Kg		102	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	926.8		mg/Kg		93	70 - 130	2	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: 880-44375-1 MS

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 82444

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	<50.0	U	994	960.0		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	994	867.6		mg/Kg		87	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-44375-1 MSD

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 82444

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	994	964.8		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	994	870.5		mg/Kg		88	70 - 130	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: MB 880-82445/1-A

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82445

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		06/06/24 08:57	06/09/24 00:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 00:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 08:57	06/09/24 00:08	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-82445/1-A

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82445

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	117		70 - 130	06/06/24 08:57	06/09/24 00:08	1				
o-Terphenyl	107		70 - 130	06/06/24 08:57	06/09/24 00:08	1				

Lab Sample ID: LCS 880-82445/2-A

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82445

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1122		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1018		mg/Kg		102	70 - 130		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: LCSD 880-82445/3-A

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82445

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1076		mg/Kg		108	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	992.3		mg/Kg		99	70 - 130	3	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	118		70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: 880-44375-21 MS

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: CS-21 (1.5')

Prep Type: Total/NA

Prep Batch: 82445

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	994	1021		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	994	922.6		mg/Kg		93	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	88		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44375-21 MSD
Matrix: Solid
Analysis Batch: 82709

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 82445

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	<49.8	U	994	1034		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	994	932.6		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: MB 880-82446/1-A
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82446

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		06/06/24 09:00	06/08/24 23:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/24 09:00	06/08/24 23:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130			06/06/24 09:00	06/08/24 23:22	1	
o-Terphenyl	109		70 - 130			06/06/24 09:00	06/08/24 23:22	1	

Lab Sample ID: LCS 880-82446/2-A

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	901.0		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-44375-41 MS
Matrix: Solid
Analysis Batch: 82711

Client Sample ID: SW-19 (1')
Prep Type: Total/NA
Prep Batch: 82446

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	992	876.1		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	992	835.0		mg/Kg		84	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44375-41 MS

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: SW-19 (1')

Prep Type: Total/NA

Prep Batch: 82446

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-44375-41 MSD

Matrix: Solid

Analysis Batch: 82711

Client Sample ID: SW-19 (1')

Prep Type: Total/NA

Prep Batch: 82446

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	992	955.0		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	992	842.2		mg/Kg		85	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82428/1-A

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/06/24 23:46	1

Lab Sample ID: LCS 880-82428/2-A

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-82428/3-A

Matrix: Solid

Analysis Batch: 82451

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	254.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-44375-1 MS

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	58.9		250	316.3		mg/Kg		103	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-44375-1 MSD

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.9		250	316.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-44375-11 MS

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	21.9	F1	252	324.7	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 880-44375-11 MSD

Matrix: Solid

Analysis Batch: 82451

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	21.9	F1	252	320.4	F1	mg/Kg		118	90 - 110	1	20

Lab Sample ID: MB 880-82429/1-A

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/07/24 05:00	1

Lab Sample ID: LCS 880-82429/2-A

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	262.0		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-82429/3-A

Matrix: Solid

Analysis Batch: 82453

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	262.1		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-44375-21 MS

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: CS-21 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	69.4		248	328.9		mg/Kg		105	90 - 110		

Lab Sample ID: 880-44375-21 MSD

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: CS-21 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	69.4		248	329.7		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-44375-31 MS

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: SW-9 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	88.0		250	326.5		mg/Kg		96	90 - 110

Lab Sample ID: 880-44375-31 MSD

Matrix: Solid

Analysis Batch: 82453

Client Sample ID: SW-9 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	88.0		250	322.0		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-82531/1-A

Matrix: Solid

Analysis Batch: 82546

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/07/24 05:39	1

Lab Sample ID: LCS 880-82531/2-A

Matrix: Solid

Analysis Batch: 82546

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-82531/3-A

Matrix: Solid

Analysis Batch: 82546

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.8		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-44375-41 MS

Matrix: Solid

Analysis Batch: 82546

Client Sample ID: SW-19 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	71.1		249	321.9		mg/Kg		101	90 - 110

Lab Sample ID: 880-44375-41 MSD

Matrix: Solid

Analysis Batch: 82546

Client Sample ID: SW-19 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	71.1		249	320.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-82821/1-A

Matrix: Solid

Analysis Batch: 82843

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/11/24 11:52	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-82821/2-A Matrix: Solid Analysis Batch: 82843				Client Sample ID: Lab Control Sample Prep Type: Soluble						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			250	254.6		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-82821/3-A Matrix: Solid Analysis Batch: 82843				Client Sample ID: Lab Control Sample Dup Prep Type: Soluble						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride			250	256.1		mg/Kg		102	90 - 110	1 20

Lab Sample ID: 880-44063-A-4-D MS Matrix: Solid Analysis Batch: 82843				Client Sample ID: Matrix Spike Prep Type: Soluble						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	34.4		248	293.6		mg/Kg		105	90 - 110	

Lab Sample ID: 880-44063-A-4-E MSD Matrix: Solid Analysis Batch: 82843				Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride	34.4		248	294.9		mg/Kg		105	90 - 110	0 20

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 82332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Total/NA	Solid	8021B	82427
880-44375-22	CS-22 (1.5')	Total/NA	Solid	8021B	82427
880-44375-23	SW-1 (1')	Total/NA	Solid	8021B	82427
880-44375-24	SW-2 (1')	Total/NA	Solid	8021B	82427
880-44375-25	SW-3 (1')	Total/NA	Solid	8021B	82427
880-44375-26	SW-4 (1.5')	Total/NA	Solid	8021B	82427
880-44375-27	SW-5 (0.5')	Total/NA	Solid	8021B	82427
880-44375-28	SW-6 (1.5')	Total/NA	Solid	8021B	82427
880-44375-29	SW-7 (1.5')	Total/NA	Solid	8021B	82427
880-44375-30	SW-8 (1.5')	Total/NA	Solid	8021B	82427
880-44375-31	SW-9 (1.5')	Total/NA	Solid	8021B	82427
880-44375-32	SW-10 (1.5')	Total/NA	Solid	8021B	82427
880-44375-33	SW-11 (1.5')	Total/NA	Solid	8021B	82427
880-44375-34	SW-12 (1.5')	Total/NA	Solid	8021B	82427
880-44375-35	SW-13 (1.5')	Total/NA	Solid	8021B	82427
880-44375-36	SW-14 (1.5')	Total/NA	Solid	8021B	82427
880-44375-37	SW-15 (1')	Total/NA	Solid	8021B	82427
880-44375-38	SW-16 (1')	Total/NA	Solid	8021B	82427
880-44375-39	SW-17 (1')	Total/NA	Solid	8021B	82427
880-44375-40	SW-18 (1')	Total/NA	Solid	8021B	82427
MB 880-82338/5-A	Method Blank	Total/NA	Solid	8021B	82338
MB 880-82427/5-A	Method Blank	Total/NA	Solid	8021B	82427
LCS 880-82427/1-A	Lab Control Sample	Total/NA	Solid	8021B	82427
LCSD 880-82427/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82427
880-44375-21 MS	CS-21 (1.5')	Total/NA	Solid	8021B	82427
880-44375-21 MSD	CS-21 (1.5')	Total/NA	Solid	8021B	82427

Analysis Batch: 82334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	8021B	82426
880-44375-2	CS-2 (1')	Total/NA	Solid	8021B	82426
880-44375-3	CS-3 (1')	Total/NA	Solid	8021B	82426
880-44375-4	CS-4 (1')	Total/NA	Solid	8021B	82426
880-44375-5	CS-5 (1')	Total/NA	Solid	8021B	82426
880-44375-6	CS-6 (1')	Total/NA	Solid	8021B	82426
880-44375-7	CS-7 (1')	Total/NA	Solid	8021B	82426
880-44375-8	CS-8 (1')	Total/NA	Solid	8021B	82426
880-44375-9	CS-9 (1.5')	Total/NA	Solid	8021B	82426
880-44375-10	CS-10 (1.5')	Total/NA	Solid	8021B	82426
880-44375-41	SW-19 (1')	Total/NA	Solid	8021B	82340
MB 880-82340/5-A	Method Blank	Total/NA	Solid	8021B	82340
MB 880-82426/5-A	Method Blank	Total/NA	Solid	8021B	82426
LCS 880-82340/1-A	Lab Control Sample	Total/NA	Solid	8021B	82340
LCS 880-82426/1-A	Lab Control Sample	Total/NA	Solid	8021B	82426
LCSD 880-82340/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82340
LCSD 880-82426/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82426
880-44375-1 MS	CS-1 (1')	Total/NA	Solid	8021B	82426
880-44375-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	82426

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QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 82338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82338/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 82340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-41	SW-19 (1')	Total/NA	Solid	5035	
MB 880-82340/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82340/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82340/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 82426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	5035	
880-44375-2	CS-2 (1')	Total/NA	Solid	5035	
880-44375-3	CS-3 (1')	Total/NA	Solid	5035	
880-44375-4	CS-4 (1')	Total/NA	Solid	5035	
880-44375-5	CS-5 (1')	Total/NA	Solid	5035	
880-44375-6	CS-6 (1')	Total/NA	Solid	5035	
880-44375-7	CS-7 (1')	Total/NA	Solid	5035	
880-44375-8	CS-8 (1')	Total/NA	Solid	5035	
880-44375-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-44375-10	CS-10 (1.5')	Total/NA	Solid	5035	
MB 880-82426/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82426/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82426/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44375-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-44375-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Prep Batch: 82427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Total/NA	Solid	5035	
880-44375-22	CS-22 (1.5')	Total/NA	Solid	5035	
880-44375-23	SW-1 (1')	Total/NA	Solid	5035	
880-44375-24	SW-2 (1')	Total/NA	Solid	5035	
880-44375-25	SW-3 (1')	Total/NA	Solid	5035	
880-44375-26	SW-4 (1.5')	Total/NA	Solid	5035	
880-44375-27	SW-5 (0.5')	Total/NA	Solid	5035	
880-44375-28	SW-6 (1.5')	Total/NA	Solid	5035	
880-44375-29	SW-7 (1.5')	Total/NA	Solid	5035	
880-44375-30	SW-8 (1.5')	Total/NA	Solid	5035	
880-44375-31	SW-9 (1.5')	Total/NA	Solid	5035	
880-44375-32	SW-10 (1.5')	Total/NA	Solid	5035	
880-44375-33	SW-11 (1.5')	Total/NA	Solid	5035	
880-44375-34	SW-12 (1.5')	Total/NA	Solid	5035	
880-44375-35	SW-13 (1.5')	Total/NA	Solid	5035	
880-44375-36	SW-14 (1.5')	Total/NA	Solid	5035	
880-44375-37	SW-15 (1')	Total/NA	Solid	5035	
880-44375-38	SW-16 (1')	Total/NA	Solid	5035	
880-44375-39	SW-17 (1')	Total/NA	Solid	5035	
880-44375-40	SW-18 (1')	Total/NA	Solid	5035	
MB 880-82427/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82427/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 82427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-82427/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44375-21 MS	CS-21 (1.5')	Total/NA	Solid	5035	
880-44375-21 MSD	CS-21 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 82438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-11	CS-11 (1.5')	Total/NA	Solid	8021B	82455
880-44375-12	CS-12 (1.5')	Total/NA	Solid	8021B	82455
880-44375-13	CS-13 (1.5')	Total/NA	Solid	8021B	82455
880-44375-14	CS-14 (1.5')	Total/NA	Solid	8021B	82455
880-44375-15	CS-15 (1.5')	Total/NA	Solid	8021B	82455
880-44375-16	CS-16 (1.5')	Total/NA	Solid	8021B	82455
880-44375-17	CS-17 (1.5')	Total/NA	Solid	8021B	82455
880-44375-18	CS-18 (1.5')	Total/NA	Solid	8021B	82455
880-44375-19	CS-19 (1.5')	Total/NA	Solid	8021B	82455
880-44375-20	CS-20 (1.5')	Total/NA	Solid	8021B	82455
MB 880-82455/5-A	Method Blank	Total/NA	Solid	8021B	82455
LCS 880-82455/1-A	Lab Control Sample	Total/NA	Solid	8021B	82455
LCSD 880-82455/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82455
880-44382-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	82455
880-44382-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	82455

Analysis Batch: 82440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-42	SW-20 (1')	Total/NA	Solid	8021B	82443
880-44375-43	SW-21 (1')	Total/NA	Solid	8021B	82443
880-44375-44	SW-22 (1')	Total/NA	Solid	8021B	82443
MB 880-82443/5-A	Method Blank	Total/NA	Solid	8021B	82443
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	8021B	82443
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82443
880-44375-42 MS	SW-20 (1')	Total/NA	Solid	8021B	82443
880-44375-42 MSD	SW-20 (1')	Total/NA	Solid	8021B	82443

Prep Batch: 82443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-42	SW-20 (1')	Total/NA	Solid	5035	
880-44375-43	SW-21 (1')	Total/NA	Solid	5035	
880-44375-44	SW-22 (1')	Total/NA	Solid	5035	
MB 880-82443/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82443/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82443/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44375-42 MS	SW-20 (1')	Total/NA	Solid	5035	
880-44375-42 MSD	SW-20 (1')	Total/NA	Solid	5035	

Prep Batch: 82455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-44375-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-44375-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-44375-14	CS-14 (1.5')	Total/NA	Solid	5035	
880-44375-15	CS-15 (1.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 82455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-16	CS-16 (1.5')	Total/NA	Solid	5035	
880-44375-17	CS-17 (1.5')	Total/NA	Solid	5035	
880-44375-18	CS-18 (1.5')	Total/NA	Solid	5035	
880-44375-19	CS-19 (1.5')	Total/NA	Solid	5035	
880-44375-20	CS-20 (1.5')	Total/NA	Solid	5035	
MB 880-82455/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82455/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82455/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44382-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-44382-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 82491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-44375-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-44375-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-44375-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-44375-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-44375-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-44375-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-44375-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-44375-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-14	CS-14 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-15	CS-15 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-16	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-17	CS-17 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-18	CS-18 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-19	CS-19 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-20	CS-20 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-21	CS-21 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-22	CS-22 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-23	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-44375-24	SW-2 (1')	Total/NA	Solid	Total BTEX	
880-44375-25	SW-3 (1')	Total/NA	Solid	Total BTEX	
880-44375-26	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-27	SW-5 (0.5')	Total/NA	Solid	Total BTEX	
880-44375-28	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-29	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-30	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-31	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-32	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-33	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-34	SW-12 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-35	SW-13 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-36	SW-14 (1.5')	Total/NA	Solid	Total BTEX	
880-44375-37	SW-15 (1')	Total/NA	Solid	Total BTEX	
880-44375-38	SW-16 (1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 82491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-39	SW-17 (1')	Total/NA	Solid	Total BTEX	
880-44375-40	SW-18 (1')	Total/NA	Solid	Total BTEX	
880-44375-41	SW-19 (1')	Total/NA	Solid	Total BTEX	
880-44375-42	SW-20 (1')	Total/NA	Solid	Total BTEX	
880-44375-43	SW-21 (1')	Total/NA	Solid	Total BTEX	
880-44375-44	SW-22 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 82444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-44375-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-44375-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-44375-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-44375-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-44375-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-44375-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-44375-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-44375-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-14	CS-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-15	CS-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-16	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-17	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-18	CS-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-19	CS-19 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-20	CS-20 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-82444/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82444/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44375-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-44375-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 82445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-22	CS-22 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-23	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-44375-24	SW-2 (1')	Total/NA	Solid	8015NM Prep	
880-44375-25	SW-3 (1')	Total/NA	Solid	8015NM Prep	
880-44375-26	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-27	SW-5 (0.5')	Total/NA	Solid	8015NM Prep	
880-44375-28	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-29	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-30	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-31	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-32	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 82445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-33	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-34	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-35	SW-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-36	SW-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-37	SW-15 (1')	Total/NA	Solid	8015NM Prep	
880-44375-38	SW-16 (1')	Total/NA	Solid	8015NM Prep	
880-44375-39	SW-17 (1')	Total/NA	Solid	8015NM Prep	
880-44375-40	SW-18 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82445/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82445/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44375-21 MS	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-44375-21 MSD	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 82446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-41	SW-19 (1')	Total/NA	Solid	8015NM Prep	
880-44375-42	SW-20 (1')	Total/NA	Solid	8015NM Prep	
880-44375-43	SW-21 (1')	Total/NA	Solid	8015NM Prep	
880-44375-44	SW-22 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
880-44375-41 MS	SW-19 (1')	Total/NA	Solid	8015NM Prep	
880-44375-41 MSD	SW-19 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 82709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-22	CS-22 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-23	SW-1 (1')	Total/NA	Solid	8015B NM	82445
880-44375-24	SW-2 (1')	Total/NA	Solid	8015B NM	82445
880-44375-25	SW-3 (1')	Total/NA	Solid	8015B NM	82445
880-44375-26	SW-4 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-27	SW-5 (0.5')	Total/NA	Solid	8015B NM	82445
880-44375-28	SW-6 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-29	SW-7 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-30	SW-8 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-31	SW-9 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-32	SW-10 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-33	SW-11 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-34	SW-12 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-35	SW-13 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-36	SW-14 (1.5')	Total/NA	Solid	8015B NM	82445
880-44375-37	SW-15 (1')	Total/NA	Solid	8015B NM	82445
880-44375-38	SW-16 (1')	Total/NA	Solid	8015B NM	82445
880-44375-39	SW-17 (1')	Total/NA	Solid	8015B NM	82445
880-44375-40	SW-18 (1')	Total/NA	Solid	8015B NM	82445
MB 880-82445/1-A	Method Blank	Total/NA	Solid	8015B NM	82445
LCS 880-82445/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82445
LCSD 880-82445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82445
880-44375-21 MS	CS-21 (1.5')	Total/NA	Solid	8015B NM	82445

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 82709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21 MSD	CS-21 (1.5')	Total/NA	Solid	8015B NM	82445

Analysis Batch: 82711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	8015B NM	82444
880-44375-2	CS-2 (1')	Total/NA	Solid	8015B NM	82444
880-44375-3	CS-3 (1')	Total/NA	Solid	8015B NM	82444
880-44375-4	CS-4 (1')	Total/NA	Solid	8015B NM	82444
880-44375-5	CS-5 (1')	Total/NA	Solid	8015B NM	82444
880-44375-6	CS-6 (1')	Total/NA	Solid	8015B NM	82444
880-44375-7	CS-7 (1')	Total/NA	Solid	8015B NM	82444
880-44375-8	CS-8 (1')	Total/NA	Solid	8015B NM	82444
880-44375-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-14	CS-14 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-15	CS-15 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-16	CS-16 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-17	CS-17 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-18	CS-18 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-19	CS-19 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-20	CS-20 (1.5')	Total/NA	Solid	8015B NM	82444
880-44375-41	SW-19 (1')	Total/NA	Solid	8015B NM	82446
880-44375-42	SW-20 (1')	Total/NA	Solid	8015B NM	82446
880-44375-43	SW-21 (1')	Total/NA	Solid	8015B NM	82446
880-44375-44	SW-22 (1')	Total/NA	Solid	8015B NM	82446
MB 880-82444/1-A	Method Blank	Total/NA	Solid	8015B NM	82444
MB 880-82446/1-A	Method Blank	Total/NA	Solid	8015B NM	82446
LCS 880-82444/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82444
LCS 880-82446/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82446
LCSD 880-82444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82444
880-44375-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	82444
880-44375-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	82444
880-44375-41 MS	SW-19 (1')	Total/NA	Solid	8015B NM	82446
880-44375-41 MSD	SW-19 (1')	Total/NA	Solid	8015B NM	82446

Analysis Batch: 82804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-44375-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-44375-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-44375-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-44375-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-44375-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-44375-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-44375-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-44375-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-44375-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-44375-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 82804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-44375-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-44375-14	CS-14 (1.5')	Total/NA	Solid	8015 NM	
880-44375-15	CS-15 (1.5')	Total/NA	Solid	8015 NM	
880-44375-16	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-44375-17	CS-17 (1.5')	Total/NA	Solid	8015 NM	
880-44375-18	CS-18 (1.5')	Total/NA	Solid	8015 NM	
880-44375-19	CS-19 (1.5')	Total/NA	Solid	8015 NM	
880-44375-20	CS-20 (1.5')	Total/NA	Solid	8015 NM	
880-44375-21	CS-21 (1.5')	Total/NA	Solid	8015 NM	
880-44375-22	CS-22 (1.5')	Total/NA	Solid	8015 NM	
880-44375-23	SW-1 (1')	Total/NA	Solid	8015 NM	
880-44375-24	SW-2 (1')	Total/NA	Solid	8015 NM	
880-44375-25	SW-3 (1')	Total/NA	Solid	8015 NM	
880-44375-26	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-44375-27	SW-5 (0.5')	Total/NA	Solid	8015 NM	
880-44375-28	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-44375-29	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-44375-30	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-44375-31	SW-9 (1.5')	Total/NA	Solid	8015 NM	
880-44375-32	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-44375-33	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-44375-34	SW-12 (1.5')	Total/NA	Solid	8015 NM	
880-44375-35	SW-13 (1.5')	Total/NA	Solid	8015 NM	
880-44375-36	SW-14 (1.5')	Total/NA	Solid	8015 NM	
880-44375-37	SW-15 (1')	Total/NA	Solid	8015 NM	
880-44375-38	SW-16 (1')	Total/NA	Solid	8015 NM	
880-44375-39	SW-17 (1')	Total/NA	Solid	8015 NM	
880-44375-40	SW-18 (1')	Total/NA	Solid	8015 NM	
880-44375-41	SW-19 (1')	Total/NA	Solid	8015 NM	
880-44375-42	SW-20 (1')	Total/NA	Solid	8015 NM	
880-44375-43	SW-21 (1')	Total/NA	Solid	8015 NM	
880-44375-44	SW-22 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 82428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-44375-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-44375-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-44375-4	CS-4 (1')	Soluble	Solid	DI Leach	
880-44375-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-44375-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-44375-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-44375-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-44375-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-44375-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-44375-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-44375-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-44375-13	CS-13 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 82428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-15	CS-15 (1.5')	Soluble	Solid	DI Leach	
880-44375-16	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-44375-17	CS-17 (1.5')	Soluble	Solid	DI Leach	
880-44375-18	CS-18 (1.5')	Soluble	Solid	DI Leach	
880-44375-19	CS-19 (1.5')	Soluble	Solid	DI Leach	
880-44375-20	CS-20 (1.5')	Soluble	Solid	DI Leach	
MB 880-82428/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82428/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82428/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44375-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-44375-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-44375-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-44375-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 82429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-44375-22	CS-22 (1.5')	Soluble	Solid	DI Leach	
880-44375-23	SW-1 (1')	Soluble	Solid	DI Leach	
880-44375-24	SW-2 (1')	Soluble	Solid	DI Leach	
880-44375-25	SW-3 (1')	Soluble	Solid	DI Leach	
880-44375-26	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-44375-27	SW-5 (0.5')	Soluble	Solid	DI Leach	
880-44375-28	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-44375-29	SW-7 (1.5')	Soluble	Solid	DI Leach	
880-44375-30	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-44375-31	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-44375-32	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-44375-33	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-44375-34	SW-12 (1.5')	Soluble	Solid	DI Leach	
880-44375-35	SW-13 (1.5')	Soluble	Solid	DI Leach	
880-44375-36	SW-14 (1.5')	Soluble	Solid	DI Leach	
880-44375-37	SW-15 (1')	Soluble	Solid	DI Leach	
880-44375-38	SW-16 (1')	Soluble	Solid	DI Leach	
880-44375-39	SW-17 (1')	Soluble	Solid	DI Leach	
880-44375-40	SW-18 (1')	Soluble	Solid	DI Leach	
MB 880-82429/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82429/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82429/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44375-21 MS	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-44375-21 MSD	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-44375-31 MS	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-44375-31 MSD	SW-9 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 82451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-1	CS-1 (1')	Soluble	Solid	300.0	82428
880-44375-2	CS-2 (1')	Soluble	Solid	300.0	82428
880-44375-3	CS-3 (1')	Soluble	Solid	300.0	82428
880-44375-4	CS-4 (1')	Soluble	Solid	300.0	82428
880-44375-5	CS-5 (1')	Soluble	Solid	300.0	82428

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 82451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-6	CS-6 (1')	Soluble	Solid	300.0	82428
880-44375-7	CS-7 (1')	Soluble	Solid	300.0	82428
880-44375-8	CS-8 (1')	Soluble	Solid	300.0	82428
880-44375-9	CS-9 (1.5')	Soluble	Solid	300.0	82428
880-44375-10	CS-10 (1.5')	Soluble	Solid	300.0	82428
880-44375-11	CS-11 (1.5')	Soluble	Solid	300.0	82428
880-44375-12	CS-12 (1.5')	Soluble	Solid	300.0	82428
880-44375-13	CS-13 (1.5')	Soluble	Solid	300.0	82428
880-44375-15	CS-15 (1.5')	Soluble	Solid	300.0	82428
880-44375-16	CS-16 (1.5')	Soluble	Solid	300.0	82428
880-44375-17	CS-17 (1.5')	Soluble	Solid	300.0	82428
880-44375-18	CS-18 (1.5')	Soluble	Solid	300.0	82428
880-44375-19	CS-19 (1.5')	Soluble	Solid	300.0	82428
880-44375-20	CS-20 (1.5')	Soluble	Solid	300.0	82428
MB 880-82428/1-A	Method Blank	Soluble	Solid	300.0	82428
LCS 880-82428/2-A	Lab Control Sample	Soluble	Solid	300.0	82428
LCSD 880-82428/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82428
880-44375-1 MS	CS-1 (1')	Soluble	Solid	300.0	82428
880-44375-1 MSD	CS-1 (1')	Soluble	Solid	300.0	82428
880-44375-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	82428
880-44375-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	82428

Analysis Batch: 82453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-21	CS-21 (1.5')	Soluble	Solid	300.0	82429
880-44375-22	CS-22 (1.5')	Soluble	Solid	300.0	82429
880-44375-23	SW-1 (1')	Soluble	Solid	300.0	82429
880-44375-24	SW-2 (1')	Soluble	Solid	300.0	82429
880-44375-25	SW-3 (1')	Soluble	Solid	300.0	82429
880-44375-26	SW-4 (1.5')	Soluble	Solid	300.0	82429
880-44375-27	SW-5 (0.5')	Soluble	Solid	300.0	82429
880-44375-28	SW-6 (1.5')	Soluble	Solid	300.0	82429
880-44375-29	SW-7 (1.5')	Soluble	Solid	300.0	82429
880-44375-30	SW-8 (1.5')	Soluble	Solid	300.0	82429
880-44375-31	SW-9 (1.5')	Soluble	Solid	300.0	82429
880-44375-32	SW-10 (1.5')	Soluble	Solid	300.0	82429
880-44375-33	SW-11 (1.5')	Soluble	Solid	300.0	82429
880-44375-34	SW-12 (1.5')	Soluble	Solid	300.0	82429
880-44375-35	SW-13 (1.5')	Soluble	Solid	300.0	82429
880-44375-36	SW-14 (1.5')	Soluble	Solid	300.0	82429
880-44375-37	SW-15 (1')	Soluble	Solid	300.0	82429
880-44375-38	SW-16 (1')	Soluble	Solid	300.0	82429
880-44375-39	SW-17 (1')	Soluble	Solid	300.0	82429
880-44375-40	SW-18 (1')	Soluble	Solid	300.0	82429
MB 880-82429/1-A	Method Blank	Soluble	Solid	300.0	82429
LCS 880-82429/2-A	Lab Control Sample	Soluble	Solid	300.0	82429
LCSD 880-82429/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82429
880-44375-21 MS	CS-21 (1.5')	Soluble	Solid	300.0	82429
880-44375-21 MSD	CS-21 (1.5')	Soluble	Solid	300.0	82429
880-44375-31 MS	SW-9 (1.5')	Soluble	Solid	300.0	82429
880-44375-31 MSD	SW-9 (1.5')	Soluble	Solid	300.0	82429

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 82531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-41	SW-19 (1')	Soluble	Solid	DI Leach	
880-44375-42	SW-20 (1')	Soluble	Solid	DI Leach	
880-44375-43	SW-21 (1')	Soluble	Solid	DI Leach	
880-44375-44	SW-22 (1')	Soluble	Solid	DI Leach	
MB 880-82531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44375-41 MS	SW-19 (1')	Soluble	Solid	DI Leach	
880-44375-41 MSD	SW-19 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 82546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-41	SW-19 (1')	Soluble	Solid	300.0	82531
880-44375-42	SW-20 (1')	Soluble	Solid	300.0	82531
880-44375-43	SW-21 (1')	Soluble	Solid	300.0	82531
880-44375-44	SW-22 (1')	Soluble	Solid	300.0	82531
MB 880-82531/1-A	Method Blank	Soluble	Solid	300.0	82531
LCS 880-82531/2-A	Lab Control Sample	Soluble	Solid	300.0	82531
LCSD 880-82531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82531
880-44375-41 MS	SW-19 (1')	Soluble	Solid	300.0	82531
880-44375-41 MSD	SW-19 (1')	Soluble	Solid	300.0	82531

Leach Batch: 82821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-14	CS-14 (1.5')	Soluble	Solid	DI Leach	
MB 880-82821/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82821/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82821/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44063-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44063-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 82843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44375-14	CS-14 (1.5')	Soluble	Solid	300.0	82821
MB 880-82821/1-A	Method Blank	Soluble	Solid	300.0	82821
LCS 880-82821/2-A	Lab Control Sample	Soluble	Solid	300.0	82821
LCSD 880-82821/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82821
880-44063-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	82821
880-44063-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	82821

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-44375-1

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 17:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 17:05	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:01	CH	EET MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-44375-2

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 17:50	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:16	CH	EET MID

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-44375-3

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 18:05	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:21	CH	EET MID

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-44375-4

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:14	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82804	06/08/24 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 18:20	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:26	CH	EET MID

Client Sample ID: CS-5 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 18:35	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:31	CH	EET MID

Client Sample ID: CS-6 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 18:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 18:50	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:47	CH	EET MID

Client Sample ID: CS-7 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 19:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 19:05	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-7
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			5.03 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:52	CH	EET MID

Client Sample ID: CS-8 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-8
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			4.98 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 19:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 19:20	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 00:57	CH	EET MID

Client Sample ID: CS-9 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 19:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 19:34	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:02	CH	EET MID

Client Sample ID: CS-10 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-10
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			5.00 g	5 mL	82426	06/05/24 15:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/06/24 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 03:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 19:50	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:07	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 12:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 20:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 20:19	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:12	CH	EET MID

Client Sample ID: CS-12 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 12:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 20:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 20:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:27	CH	EET MID

Client Sample ID: CS-13 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-13
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			5.02 g	5 mL	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 13:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 20:51	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:32	CH	EET MID

Client Sample ID: CS-14 (1.5')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 13:32	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-44375-14

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			82804	06/08/24 21:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 21:06	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82821	06/10/24 16:24	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82843	06/11/24 13:33	CH	EET MID

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-44375-15

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 13:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 21:21	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:52	CH	EET MID

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-44375-16

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 21:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 21:37	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 01:57	CH	EET MID

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-44375-17

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 14:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 21:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 21:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-44375-17

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 02:02	CH	EET MID

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-44375-18

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 14:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 22:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 02:07	CH	EET MID

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-44375-19

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 15:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 22:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 02:12	CH	EET MID

Client Sample ID: CS-20 (1.5')

Lab Sample ID: 880-44375-20

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82455	06/06/24 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82438	06/06/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 16:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/08/24 22:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82444	06/06/24 08:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/08/24 22:37	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	82428	06/05/24 16:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82451	06/07/24 02:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1.5')

Lab Sample ID: 880-44375-21

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 01:10	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 05:19	CH	EET MID

Client Sample ID: CS-22 (1.5')

Lab Sample ID: 880-44375-22

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 01:55	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 05:38	CH	EET MID

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-44375-23

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 00:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 02:09	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 05:44	CH	EET MID

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-44375-24

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:08	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (1')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-24

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			82804	06/09/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 02:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 05:51	CH	EET MID

Client Sample ID: SW-3 (1')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-25

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			5.03 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 02:41	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 05:57	CH	EET MID

Client Sample ID: SW-4 (1.5')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-26

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			5.01 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 01:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 01:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 02:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 02:57	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:16	CH	EET MID

Client Sample ID: SW-5 (0.5')

Date Collected: 06/04/24 00:00

Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-27

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			5.05 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 02:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 03:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (0.5')

Lab Sample ID: 880-44375-27

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:22	CH	EET MID

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-44375-28

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 03:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 03:26	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:29	CH	EET MID

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-44375-29

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 02:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 03:42	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:35	CH	EET MID

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-44375-30

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 03:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 03:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 03:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:41	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-44375-31

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 04:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 04:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 04:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 04:26	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 06:48	CH	EET MID

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-44375-32

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 05:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 05:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 04:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 04:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:06	CH	EET MID

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-44375-33

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 05:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 04:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:13	CH	EET MID

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-44375-34

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 05:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-44375-34

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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			82804	06/09/24 05:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 05:14	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:32	CH	EET MID

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-44375-35

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 06:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 06:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 05:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 05:28	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:38	CH	EET MID

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-44375-36

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 06:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 05:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 05:45	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:44	CH	EET MID

Client Sample ID: SW-15 (1')

Lab Sample ID: 880-44375-37

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 06:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 06:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 06:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (1')

Lab Sample ID: 880-44375-37

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:51	CH	EET MID

Client Sample ID: SW-16 (1')

Lab Sample ID: 880-44375-38

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 07:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 07:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 06:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 06:16	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 07:57	CH	EET MID

Client Sample ID: SW-17 (1')

Lab Sample ID: 880-44375-39

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 07:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 07:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 06:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 06:31	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 08:03	CH	EET MID

Client Sample ID: SW-18 (1')

Lab Sample ID: 880-44375-40

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82427	06/05/24 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82332	06/06/24 07:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 07:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 06:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82445	06/06/24 08:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/09/24 06:47	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	82429	06/05/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82453	06/07/24 08:10	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-19 (1')

Lab Sample ID: 880-44375-41

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82340	06/05/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82334	06/05/24 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/05/24 19:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 01:10	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82531	06/06/24 15:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82546	06/07/24 05:54	CH	EET MID

Client Sample ID: SW-20 (1')

Lab Sample ID: 880-44375-42

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 12:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 01:55	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82531	06/06/24 15:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82546	06/07/24 06:09	CH	EET MID

Client Sample ID: SW-21 (1')

Lab Sample ID: 880-44375-43

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 13:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			82804	06/09/24 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 02:09	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	82531	06/06/24 15:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82546	06/07/24 06:14	CH	EET MID

Client Sample ID: SW-22 (1')

Lab Sample ID: 880-44375-44

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/05/24 15:14

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	82443	06/06/24 08:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82440	06/06/24 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82491	06/06/24 13:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Client Sample ID: SW-22 (1')
Date Collected: 06/04/24 00:00
Date Received: 06/05/24 15:14

Lab Sample ID: 880-44375-44
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			82804	06/09/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82446	06/06/24 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82711	06/09/24 02:26	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82531	06/06/24 15:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82546	06/07/24 06:19	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-24
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: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Queenie Fed Com 503 CTB (05.16.24)

Job ID: 880-44375-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44375-1	CS-1 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-2	CS-2 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-3	CS-3 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-4	CS-4 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-5	CS-5 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-6	CS-6 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-7	CS-7 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-8	CS-8 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-9	CS-9 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-10	CS-10 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-11	CS-11 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-12	CS-12 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-13	CS-13 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-14	CS-14 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-15	CS-15 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-16	CS-16 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-17	CS-17 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-18	CS-18 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-19	CS-19 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-20	CS-20 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-21	CS-21 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-22	CS-22 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-23	SW-1 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-24	SW-2 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-25	SW-3 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-26	SW-4 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-27	SW-5 (0.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-28	SW-6 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-29	SW-7 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-30	SW-8 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-31	SW-9 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-32	SW-10 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-33	SW-11 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-34	SW-12 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-35	SW-13 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-36	SW-14 (1.5')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-37	SW-15 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-38	SW-16 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-39	SW-17 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-40	SW-18 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-41	SW-19 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-42	SW-20 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-43	SW-21 (1')	Solid	06/04/24 00:00	06/05/24 15:14
880-44375-44	SW-22 (1')	Solid	06/04/24 00:00	06/05/24 15:14

Chain of Custody

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880-44375 Chain of Custody

Page 1 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmoma Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	lcastro@marathonoil.com

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

Project Name:		Queenie Fed Com 503 CTB (05.16.24)			Turn Around		ANALYSIS REQUEST										Preservative Codes		
Project Number:	2375	☐ Routine	☒ Rush		Pass. Code											None: NO	DI Water: H ₂ O		
Project Location	Lea County, New Mexico	Due Date:	3 day													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	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:				BTEx 8021B												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No	Correction Factor:				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NASO ₃	
Sample Custody Seals:	Yes No	Temperature Reading:				Chloride 300.0												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)		6/4/2024		X		C	1	X	X	X									
CS-2 (1)		6/4/2024		X		C	1	X	X	X									
CS-3 (1)		6/4/2024		X		C	1	X	X	X									
CS-4 (1)		6/4/2024		X		C	1	X	X	X									
CS-5 (1)		6/4/2024		X		C	1	X	X	X									
CS-6 (1)		6/4/2024		X		C	1	X	X	X									
CS-7 (1)		6/4/2024		X		C	1	X	X	X									
CS-8 (1)		6/4/2024		X		C	1	X	X	X									
CS-9 (1.5)		6/4/2024		X		C	1	X	X	X									
CS-10 (1.5)		6/4/2024		X		C	1	X	X	X									

Comments: Email results to Mike Carmona mcarmona@cammonaresources.com, Conner Moehring cmoehring@cammonaresources.com, Clint Merritt merrittc@cammonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/14 @ 14:44		1445

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Chain of Custody

Work Order No: 44375

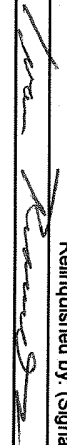
Page 2 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments			
Program: UST/PT	PRP	rowfields	RC
State of Project:			
Reporting Level II	Level III	ST/UST	RRP
Deliverables: EDD	ADAPT	Other:	Level IV

Project Name:	Queenie Fed Com 503 CTB (05.16.24)			Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:	2375			☐ Routine	☒ Rush	Due Date:		3 day												None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico																	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	Yes	No	Thermometer ID:	Wet Ice:	Yes	No	Parameters										H ₃ PO ₄ : HP	
	Received Intact:	Yes	No			Correction Factor:		BTEx 8021B										NaHSO ₄ : NABIS			
	Cooler Custody Seals:	Yes	No	N/A			Temperature Reading:		TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₅ : NaSO ₃		
	Sample Custody Seals:	Yes	No	N/A			Corrected Temperature:		Chloride 300.0										Zn Acetate+NaOH: Zn		
Total Containers:																		NaOH+Ascorbic Acid: SPC	Sample Comments		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															
CS-11 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-12 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-13 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-14 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-15 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-16 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-17 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-18 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-19 (1.5)	6/4/2024		X		C	1	X	X	X												
CS-20 (1.5)	6/4/2024		X		C	1	X	X	X												

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/2024 14:44		1445

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Chain of Custody

Work Order No. 14375

Page 3 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	lcastro@marathonoil.com

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ IJC ☐ Refund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2375	☐ Routine	☒ Rush														None: NO	DI Water: H2O		
Project Location	Lea County, New Mexico	Due Date:	3 day													Cool: Cool	MeOH: Me			
Sampler's Name:	IR															HCL: HC	HNO3: HN			
PO #:																H2SO4: H2	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No											H3PO4: HP		
Received Intact:	Yes	No	Thermometer ID:															NaHSO4: NABIS		
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:														Na2S2O3: NaSO3		
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-21 (1.5')		6/4/2024		X		C	1	X	X	X										
CS-22 (1.5')		6/4/2024		X		C	1	X	X	X										
SW-1 (1')		6/4/2024		X		C	1	X	X	X										
SW-2 (1')		6/4/2024		X		C	1	X	X	X										
SW-3 (1')		6/4/2024		X		C	1	X	X	X										
SW-4 (1.5')		6/4/2024		X		C	1	X	X	X										
SW-5 (0.5')		6/4/2024		X		C	1	X	X	X										
SW-6 (1.5')		6/4/2024		X		C	1	X	X	X										
SW-7 (1.5')		6/4/2024		X		C	1	X	X	X										
SW-8 (1.5')		6/4/2024		X		C	1	X	X	X										

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 @ 14:44		1445

Chlorine

Work Order No: _____

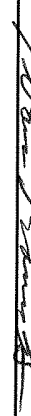
Page 4 of 5

Project Manager:		Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:		Carmona Resources	Company Name:	Marathon Oil Corporation
Address:		310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:		Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:			Email:	lcastro@marathonoil.com

Work Order Comments				
Program: UST/PT	☐ PRP	☐ Brownfields	☐ RRC	☐ Refund
State of Project:				
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV
Deliverables: EDD	☐ ADAPT	☐ Other:		

Project Name:		Queenie Fed Com 503 CTB (05.16.24)				Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2375	☐ Routine ☒ Rush		Prac. Code													None: NO	DI Water: H ₂ O			
Project Location	Lea County, New Mexico			Due Date:	3 day												Cool: Cool	MeOH: Me			
Samplers Name:	IR																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes No	Yes No	Wet Ice:	Yes No	Parameters												H ₃ PO ₄ : HP		
Received Intact:	Yes No	Thermometer ID:	BTEx 8021B												H ₂ SO ₄ : NABIS						
Cooler Custody Seals:	Yes No N/A	Correction Factor:	TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes No N/A	Temperature Reading:	Chloride 300.0												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-9 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-10 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-11 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-12 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-13 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-14 (1.5')		6/4/2024		X		C	1	X	X	X											
SW-15 (1')		6/4/2024		X		C	1	X	X	X											
SW-16 (1')		6/4/2024		X		C	1	X	X	X											
SW-17 (1')		6/4/2024		X		C	1	X	X	X											
SW-18 (1')		6/4/2024		X		C	1	X	X	X											

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 @ 14:44		6/5/24

Cost of Care

Work Order No: 44375

Page 5 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmoma Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St, Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments					
Program:	UST/ST	☐ PRP	☒ Brownfields	☐ RC	☐ Superfund
State of Project:					
Reporting Level:	I	☐	II	☐	III
	☐	IV	☐	V	☐
Deliverables:	EDD	☐	ADAPT	☐	Other: _____

Project Name: Queenie Fed Com 503 CTB (05.16.24)				Turn Around				ANALYSIS REQUEST												Preservative Codes													
Project Number: 2375		☐ Routine ☒ Rush		Project Location: Lea County, New Mexico		Due Date: 3 day		Post. Code														None: NO DI Water: H ₂ O											
Sampler's Name:		IR																				Cool: Cool MeOH: Me											
PO #:																						HCL: HC HNO ₃ : HN											
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₂ SO ₄ : H ₂											
Received Intact:		Yes No		Thermometer ID:																		H ₃ PO ₄ : HP											
Cooler Custody Seals:		Yes No N/A		Correction Factor:																		NaHSO ₄ : NABIS											
Sample Custody Seals:		Yes No N/A		Temperature Reading:																		Na ₂ S ₂ O ₃ : NaSO ₃											
Total Containers:				Corrected Temperature:																		Zn Acetate+NaOH: Zn											
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														NaOH+Ascorbic Acid: SAPC							
SW-19 (1')		6/4/2024				X				C		1		X		X		X															
SW-20 (1')		6/4/2024				X				C		1		X		X		X															
SW-21 (1')		6/4/2024				X				C		1		X		X		X															
SW-22 (1')		6/4/2024				X				C		1		X		X		X															

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

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	6/5/2023 14:44		1446

Chain of Custody

W



880-44375 Chain of Custody

Page 1 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmoma Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	lcastro@marathonoil.com

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

Project Name:		Queenie Fed Com 503 CTB (05.16.24)				Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2375		☐ Routine ☒ Rush		Project Location		Lea County, New Mexico		Due Date:		3 day		Pres. Code														None: NO DI Water: H ₂ O	
Samplers Name:		IR																										Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na	
PO #:																												H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		Parameters																			
Received Intact:		Yes No		Thermometer ID:						BTX 8021B																			
Cooler Custody Seals:		Yes No		Correction Factor:						TPH 8015M (GRO + DRO + MRO)																			
Sample Custody Seals:		Yes No		Temperature Reading:		7.3				Chloride 300.0																			
Total Containers:				Corrected Temperature:		7.1																							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														Sample Comments			
CS-1 (1)		6/4/2024				X				C		1		X X X															
CS-2 (1)		6/4/2024				X				C		1		X X X															
CS-3 (1)		6/4/2024				X				C		1		X X X															
CS-4 (1)		6/4/2024				X				C		1		X X X															
CS-5 (1)		6/4/2024				X				C		1		X X X															
CS-6 (1)		6/4/2024				X				C		1		X X X															
CS-7 (1)		6/4/2024				X				C		1		X X X															
CS-8 (1)		6/4/2024				X				C		1		X X X															
CS-9 (1.5)		6/4/2024				X				C		1		X X X															
CS-10 (1.5)		6/4/2024				X				C		1		X X X															

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt cmerritt@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/14 @ 14:44		1445

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Chain of Custody

Work Order No: 44375

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Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments			
Program: UST/PT	PRP	rowfields	RC
State of Project:			
Reporting Level II	Level III	ST/UST	RRP
Deliverables: EDD	ADAPT	Other:	Level IV

Project Name:	Queenie Fed Com 503 CTB (05.16.24)			Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number:	2375			☐ Routine	☒ Rush	Due Date:		3 day														None: NO DI Water: H ₂ O	
Project Location:	Lea County, New Mexico																			Cool: Cool 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	Thermometer ID:	Yes No	Wet Ice:	Yes No	Parameters												H ₃ PO ₄ : HP				
Received Intact:	Yes No						BTX 8021B												NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes No N/A		Correction Factor:				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₅ : NaSO ₃				
Sample Custody Seals:	Yes No N/A		Temperature Reading:				Chloride 300.0												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-11 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-12 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-13 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-14 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-15 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-16 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-17 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-18 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-19 (1.5)	6/4/2024		X		C	1	X	X	X														
CS-20 (1.5)	6/4/2024		X		C	1	X	X	X														

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 01:44		1445

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Chain of Custody

Work Order No. 14375

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Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ IJC ☐ Refund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:		Queenie Fed Com 503 CTB (05.16.24)		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		2375		☐ Routine ☒ Rush				Pres. Code											None: NO	DI Water: H2O			
Project Location		Lea County, New Mexico		Due Date:		3 day																Cool: Cool	MeOH: Me
Sampler's Name:		IR																				HCL: HC	HNO3: HN
PO #:																						H2SO4: H2	NaOH: Na
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H3PO4: HP	
Received Intact:		Yes No		Thermometer ID:																		NaHSO4: NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:																		Na2S2O3: NaSO3	
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-21 (1.5')				6/4/2024		X		C	1	X	X	X											
CS-22 (1.5')				6/4/2024		X		C	1	X	X	X											
SW-1 (1')				6/4/2024		X		C	1	X	X	X											
SW-2 (1')				6/4/2024		X		C	1	X	X	X											
SW-3 (1')				6/4/2024		X		C	1	X	X	X											
SW-4 (1.5')				6/4/2024		X		C	1	X	X	X											
SW-5 (0.5')				6/4/2024		X		C	1	X	X	X											
SW-6 (1.5')				6/4/2024		X		C	1	X	X	X											
SW-7 (1.5')				6/4/2024		X		C	1	X	X	X											
SW-8 (1.5')				6/4/2024		X		C	1	X	X	X											

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 @ 14:44		1445

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Chain of Custody

Work Order No: _____

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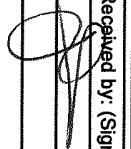
Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RC ☐ Spillfund
State of Project:			
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP ☐ Level IV
Deliverables: EDD	☐ ADAPT	☐ Other:	

Project Name:	Queenie Fed Com 503 CTB (05.16.24)			Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2375			☐ Routine	☒ Rush		3 day	None: NO	DI Water: H ₂ O													
Project Location:	Lea County, New Mexico			Due Date:				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													
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	Parameters												Sample Comments
SW-9 (1.5')	6/4/2024		X		C	1	BTEX 8021B												
SW-10 (1.5')	6/4/2024		X		C	1	TPH 8015M (GRO + DRO + MRO)												
SW-11 (1.5')	6/4/2024		X		C	1	Chloride 300.0												
SW-12 (1.5')	6/4/2024		X		C	1													
SW-13 (1.5')	6/4/2024		X		C	1													
SW-14 (1.5')	6/4/2024		X		C	1													
SW-15 (1')	6/4/2024		X		C	1													
SW-16 (1')	6/4/2024		X		C	1													
SW-17 (1')	6/4/2024		X		C	1													
SW-18 (1')	6/4/2024		X		C	1													

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt cmerritt@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24@14:44		6/5

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Chain of Custody

Work Order No: 44375

Page 5 of 5

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments	
Program: UST/PT	☐ PRP ☐ Brownfields ☐ RRC ☐ Spillfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADAPT ☐ Other:

Project Name:		Queenie Fed Com 503 CTB (05.16.24)		Turn Around				ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Project Number:	2375	☐ Routine	☒ Rush	Due Date:	3 day	Pres. Code	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Comments: Email results to Mike Carmona mcamona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/5/24 @ 14:44		1145

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44375-1
SDG Number: Lea County, New Mexico

Login Number: 44375
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/17/2024 2:23:33 PM

JOB DESCRIPTION

Queenie Fed com 503 CTB (05.16.24)
Lea County, New Mexico

JOB NUMBER

880-44796-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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6/17/2024 2:23:33 PM

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

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Laboratory Job ID: 880-44796-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
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: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1

Job ID: 880-44796-1

Eurofins Midland

Job Narrative 880-44796-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The sample was received on 6/14/2024 1:20 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-14 (1.75') (880-44796-1).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-83240 and analytical batch 880-83202 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: The surrogate recovery for the blank associated with preparation batch 880-83213 and analytical batch 880-83187 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-83213 and analytical batch 880-83187 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-14 (1.75') (880-44796-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.75')

Lab Sample ID: 880-44796-1

Date Collected: 06/04/24 00:00

Matrix: Solid

Date Received: 06/14/24 13:20

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		06/14/24 13:27	06/14/24 17:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:27	06/14/24 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:27	06/14/24 17:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/24 13:27	06/14/24 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:27	06/14/24 17:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/24 13:27	06/14/24 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/14/24 13:27	06/14/24 17:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130	06/14/24 13:27	06/14/24 17:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/14/24 17:28	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			06/15/24 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/24 09:46	06/15/24 10:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/24 09:46	06/15/24 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/24 09:46	06/15/24 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	06/14/24 09:46	06/15/24 10:41	1
o-Terphenyl	68	S1-	70 - 130	06/14/24 09:46	06/15/24 10:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		4.97		mg/Kg			06/15/24 00:29	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-44794-A-4-A MS	Matrix Spike	108	93
880-44794-A-4-B MSD	Matrix Spike Duplicate	122	107
880-44796-1	CS-14 (1.75')	118	110
LCS 880-83240/1-A	Lab Control Sample	100	96
LCSD 880-83240/2-A	Lab Control Sample Dup	108	103
MB 880-83240/5-A	Method Blank	166 S1+	113
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)
880-44796-1	CS-14 (1.75')	72	68 S1-
890-6837-A-1-C MS	Matrix Spike	83	75
890-6837-A-1-D MSD	Matrix Spike Duplicate	83	75
LCS 880-83213/2-A	Lab Control Sample	96	83
LCSD 880-83213/3-A	Lab Control Sample Dup	114	99
MB 880-83213/1-A	Method Blank	178 S1+	173 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-83240/5-A

Matrix: Solid

Analysis Batch: 83202

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 83240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:09	06/14/24 15:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:09	06/14/24 15:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:09	06/14/24 15:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/24 13:09	06/14/24 15:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/24 13:09	06/14/24 15:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/24 13:09	06/14/24 15:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	06/14/24 13:09	06/14/24 15:16	1
1,4-Difluorobenzene (Surr)	113		70 - 130	06/14/24 13:09	06/14/24 15:16	1

Lab Sample ID: LCS 880-83240/1-A

Matrix: Solid

Analysis Batch: 83202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 83240

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1123		mg/Kg		112	70 - 130
Toluene	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09908		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1734		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09375		mg/Kg		94	70 - 130

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

Lab Sample ID: LCSD 880-83240/2-A

Matrix: Solid

Analysis Batch: 83202

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 83240

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1139		mg/Kg		114	70 - 130	1	35
Toluene	0.100	0.09977		mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.1084		mg/Kg		108	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2205		mg/Kg		110	70 - 130	24	35
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-44794-A-4-A MS

Matrix: Solid

Analysis Batch: 83202

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 83240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09188		mg/Kg		92	70 - 130
Toluene	<0.00199	U	0.0996	0.08288		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44794-A-4-A MS
Matrix: Solid
Analysis Batch: 83202

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 83240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08018		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1649		mg/Kg		83	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08509		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: 880-44794-A-4-B MSD
Matrix: Solid
Analysis Batch: 83202

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 83240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1001		mg/Kg		99	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.07547		mg/Kg		75	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.101	0.07783		mg/Kg		77	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1837		mg/Kg		91	70 - 130	11	35
o-Xylene	<0.00199	U	0.101	0.09582		mg/Kg		95	70 - 130	12	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	122		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								

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

Lab Sample ID: MB 880-83213/1-A
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83213

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		06/14/24 09:46	06/14/24 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/24 09:46	06/14/24 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/24 09:46	06/14/24 18:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	178	S1+	70 - 130						
o-Terphenyl	173	S1+	70 - 130						

Lab Sample ID: LCS 880-83213/2-A
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	903.6		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	871.0		mg/Kg		87	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-83213/2-A
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83213

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-83213/3-A
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	960.5		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	987.4		mg/Kg		99	70 - 130	13	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	114										
o-Terphenyl	99										

Lab Sample ID: 890-6837-A-1-C MS
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 83213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	642.5	F1	mg/Kg		64	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	703.5		mg/Kg		71	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	83										
o-Terphenyl	75										

Lab Sample ID: 890-6837-A-1-D MSD
Matrix: Solid
Analysis Batch: 83187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 83213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	584.9	F1	mg/Kg		59	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	689.7	F1	mg/Kg		69	70 - 130	2	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	83										
o-Terphenyl	75										

QC Sample Results

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-83243/1-A

Matrix: Solid

Analysis Batch: 83252

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/14/24 23:23	1

Lab Sample ID: LCS 880-83243/2-A

Matrix: Solid

Analysis Batch: 83252

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-83243/3-A

Matrix: Solid

Analysis Batch: 83252

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-44795-A-1-B MS

Matrix: Solid

Analysis Batch: 83252

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.38		253	261.5		mg/Kg		100	90 - 110

Lab Sample ID: 880-44795-A-1-C MSD

Matrix: Solid

Analysis Batch: 83252

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.38		253	261.8		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 83202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	8021B	83240
MB 880-83240/5-A	Method Blank	Total/NA	Solid	8021B	83240
LCS 880-83240/1-A	Lab Control Sample	Total/NA	Solid	8021B	83240
LCSD 880-83240/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	83240
880-44794-A-4-A MS	Matrix Spike	Total/NA	Solid	8021B	83240
880-44794-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	83240

Prep Batch: 83240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	5035	
MB 880-83240/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-83240/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-83240/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44794-A-4-A MS	Matrix Spike	Total/NA	Solid	5035	
880-44794-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 83300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 83187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	8015B NM	83213
MB 880-83213/1-A	Method Blank	Total/NA	Solid	8015B NM	83213
LCS 880-83213/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	83213
LCSD 880-83213/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	83213
890-6837-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	83213
890-6837-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	83213

Prep Batch: 83213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	8015NM Prep	
MB 880-83213/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-83213/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-83213/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6837-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6837-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 83330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 83243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Soluble	Solid	DI Leach	
MB 880-83243/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-83243/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-83243/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 83243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44795-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44795-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 83252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44796-1	CS-14 (1.75')	Soluble	Solid	300.0	83243
MB 880-83243/1-A	Method Blank	Soluble	Solid	300.0	83243
LCS 880-83243/2-A	Lab Control Sample	Soluble	Solid	300.0	83243
LCSD 880-83243/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	83243
880-44795-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	83243
880-44795-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	83243

Lab Chronicle

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.75')
Date Collected: 06/04/24 00:00
Date Received: 06/14/24 13:20

Lab Sample ID: 880-44796-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	83240	06/14/24 13:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	83202	06/14/24 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			83300	06/14/24 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			83330	06/15/24 10:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	83213	06/14/24 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83187	06/15/24 10:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	83243	06/14/24 13:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	83252	06/15/24 00:29	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: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Queenie Fed com 503 CTB (05.16.24)

Job ID: 880-44796-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44796-1	CS-14 (1.75')	Solid	06/04/24 00:00	06/14/24 13:20

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

Chain of Custody

M



880-44796 Chain of Custody

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Isaac Castro
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	icastro@marathonoil.com

Work Order Comments										
Program:	UST/ST	☐ PRP	☐ Brownfields	☐ RC	☐ Iperfund	☐	☐	☐	☐	
State of Project:										
Reporting Level:	Level II	☐	Level III	☐	ST/UST	☐	RRP	☐	Level IV	☐
Deliverables:	EDD	☐	AdAPT	☐	Other:					

[illegible]

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44796-1
SDG Number: Lea County, New Mexico

Login Number: 44796

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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Oil Conservation Division
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QUESTIONS

Action 362545

QUESTIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:	372098
	Action Number:	362545
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413859640
Incident Name	NAPP2413859640 QUEENIE FEDERAL COM #503H @ 30-025-52326
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-52326] QUEENIE FEDERAL COM #503H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	QUEENIE FEDERAL COM #503H
Date Release Discovered	05/17/2024
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 Pump Produced Water Released: 22 BBL Recovered: 18 BBL Lost: 4 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)	17.81 bbls of produced water released onto lined containment and another 4.45 bbls released onto the engineered pad for a total of 22.26 bbls. This was caused from blender overflow due to auto function failure.

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QUESTIONS, Page 2

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	362545
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	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: Isaac Castro Email: icastro@marathonoil.com Date: 07/12/2024
--	--

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QUESTIONS, Page 3

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	362545
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	11300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	794
GRO+DRO (EPA SW-846 Method 8015M)	794
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/03/2024
On what date will (or did) the final sampling or liner inspection occur	06/14/2024
On what date will (or was) the remediation complete(d)	06/14/2024
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	2309
What is the estimated volume (in cubic yards) that will be remediated	120
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:	372098
	Action Number:	362545
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 07/12/2024
--	---

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

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QUESTIONS, Page 5

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	362545
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	362545
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	353288
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/14/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	100

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2309
What was the total volume (cubic yards) remediated	120
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Based on the analytical data, no further actions are required at the site. The final C-141 is attached, and Marathon formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

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

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

I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 07/12/2024
--	--

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QUESTIONS, Page 7

Action 362545

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 362545
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 362545

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	362545
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	8/1/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	8/1/2024