

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Queso State CTB (09.02.2023)
Incident #: NAPP2326247449
Lea County, New Mexico
Unit P Sec 36 T23S R32E
32.2558°, -103.6212°

Produced Water Release
Point of Release: Hole in Ball Valve due to Corrosion
Release Date: 09.02.2023
Volume Released: 3.6953 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



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

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

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

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October 31, 2023

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

Re: Closure Report
Queso State CTB (09.02.2023)
Concho Operating, LLC
Site Location: Unit P, S36, T23S, R32E
(Lat 32.2558°, Long -103.6212°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Queso State CTB. The site is located at 32.2558, -103.6212 within Unit P, S36, T23S, 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 September 2, 2023, caused by a hole in a ball valve due to corrosion. It resulted in approximately three point six nine five three (3.6953) barrels of produced water being released and zero (0) barrels of produced water recovered. The impacted area occurred in the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.23 miles Northwest of the site in S35, T23S, R32E and was drilled in 1976. The well has a reported depth to groundwater of 487.39 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

On July 20, 2021, WSP USA drilled a groundwater determination bore to 108.01' below ground surface. The groundwater determination bore is located approximately 0.49 miles East of the site at 32.255113°, -103.612736°. The bore was left open for 72 hours and tagged with a water level meter. The bore has shown no signs of water at a depth of 108' below the ground surface (bgs). A copy of the groundwater determination bore log 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: 1,000 mg/kg (GRO+DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On September 22, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points (S-1 through S-8) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 2' bgs inside and surrounding the release area. 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.

Vertical Delineation

Vertical delineation was achieved for the areas of S-4 and S-8. The areas of S-1, S-2, S-3, S-5, S-6, and S-7 were not delineated vertically due to a dense rock layer. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation/Reclamation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on September 29, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 through S-3 and S-5 through S-7 was excavated to a depth of 2.5'. A total of ten (10) confirmation floor samples were collected (CS-1 through CS-10), and eighteen (18) sidewall samples (SW-1 through SW-18) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded on October 9, 2023. The appropriate pounds of pure live seed per acre were used. The seeds were applied via hand broadcasting method due to the area being less than ¼ acres. The topsoil was raked onto the seed to aid the vegetation process. The seed mixture used was the SLO sandy loam (SL), per SLO criteria (See attachments in Appendix F).

Approximately 200 cubic yards of material were excavated and transported offsite for proper disposal.



6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES

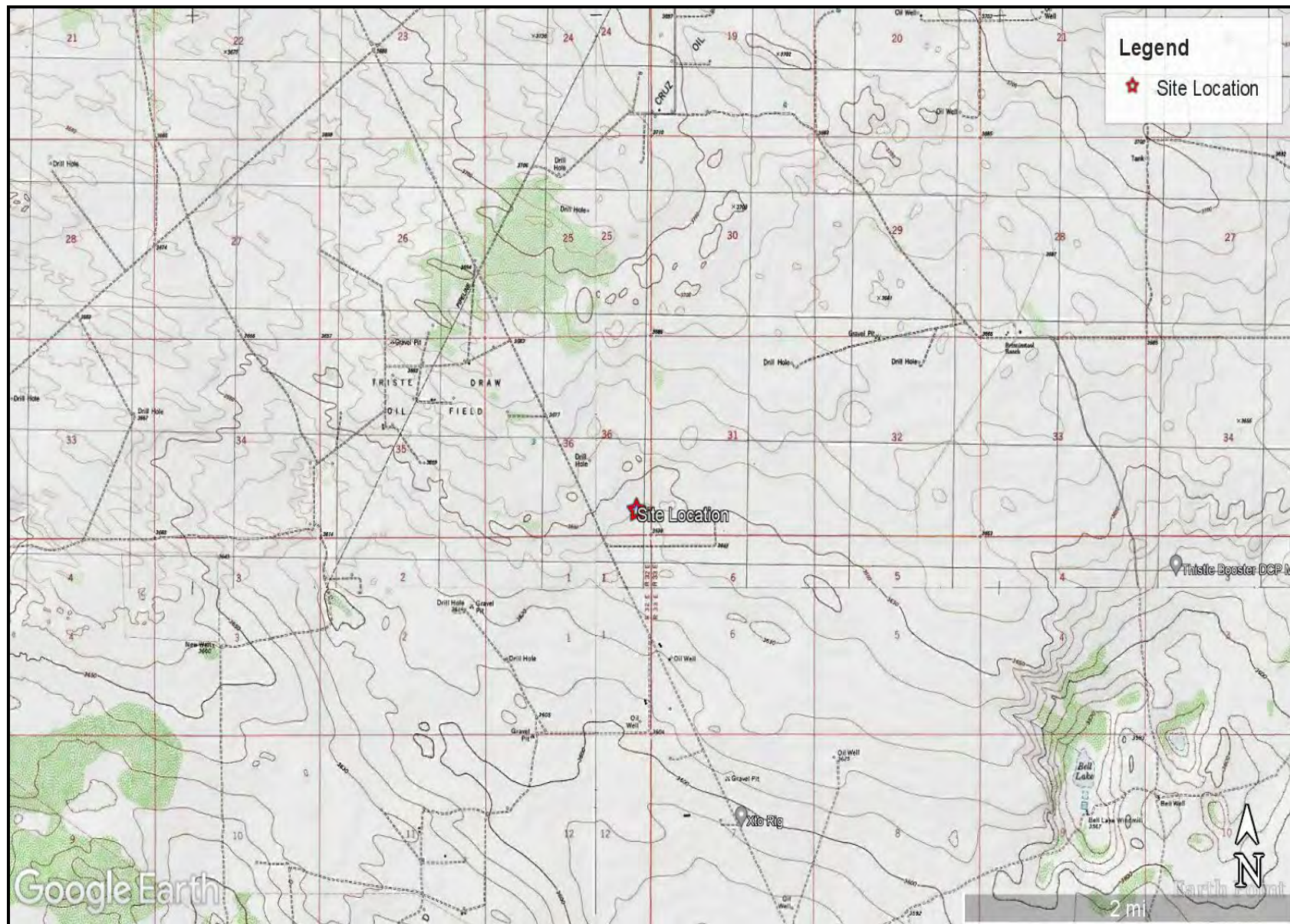




OVERVIEW MAP
 COG OPERATING, LLC
 QUESO STATE CTB (09.02.2023)
 LEA COUNTY, NEW MEXICO
 32.2558°, 103.6212°



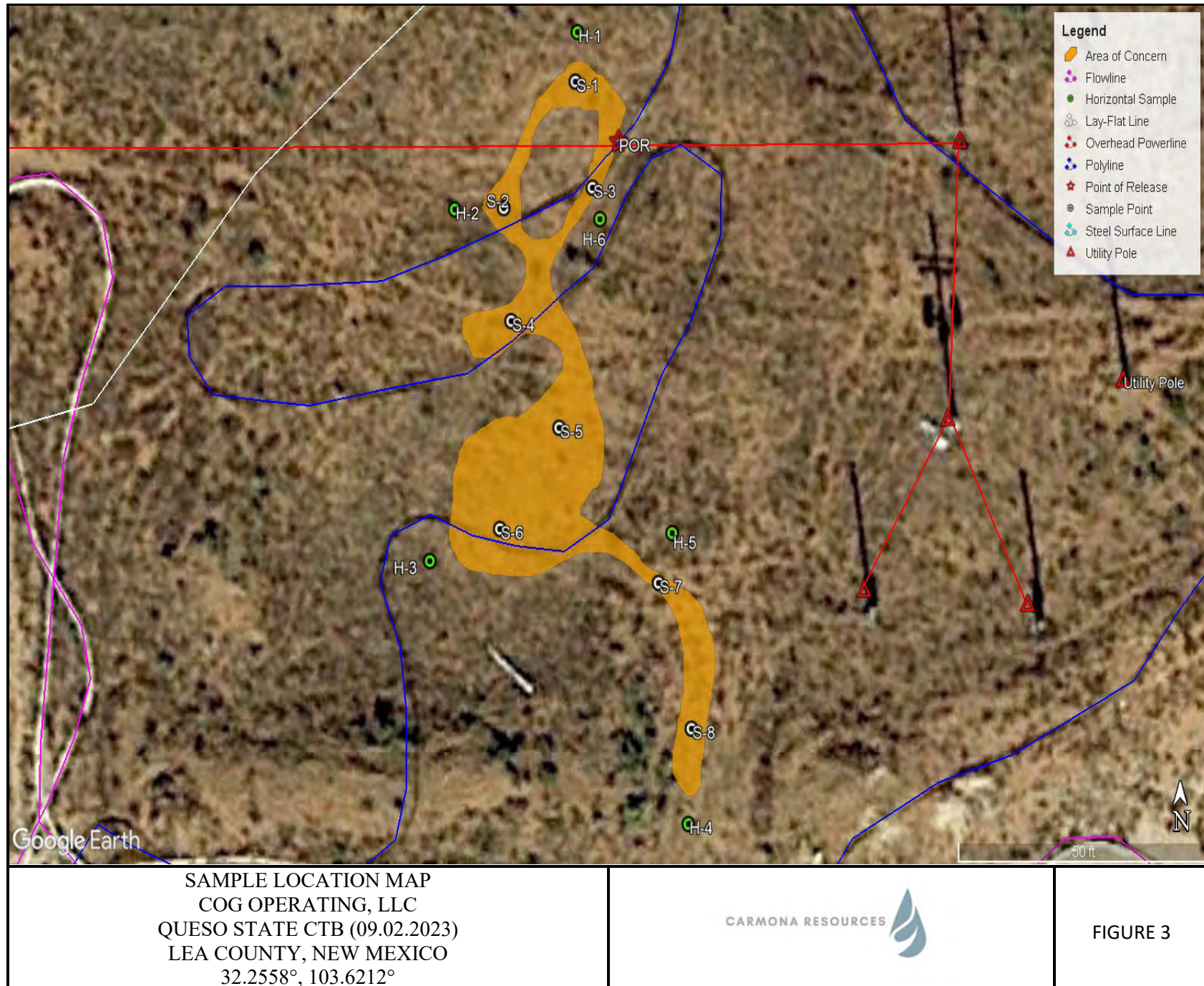
FIGURE 1

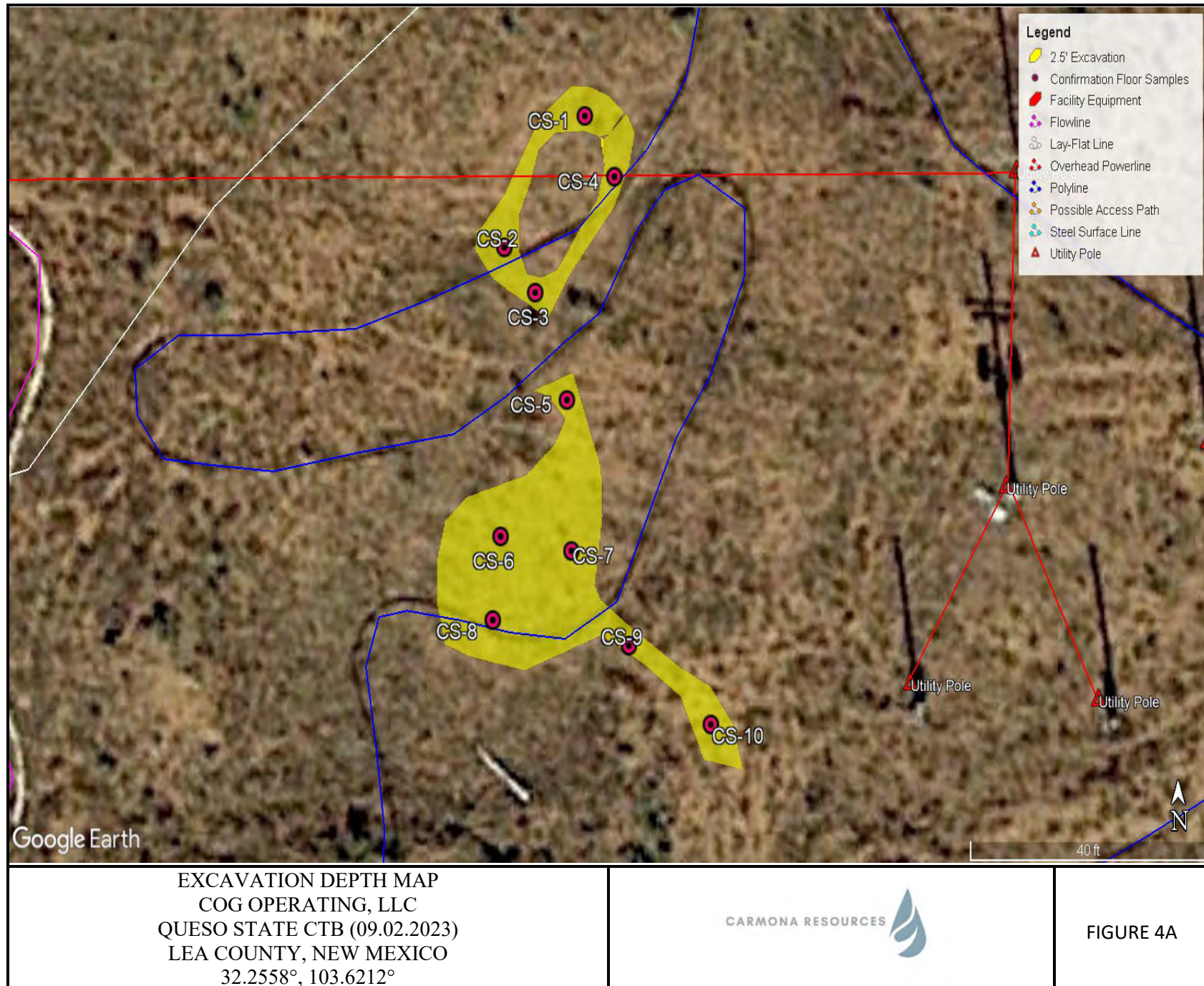


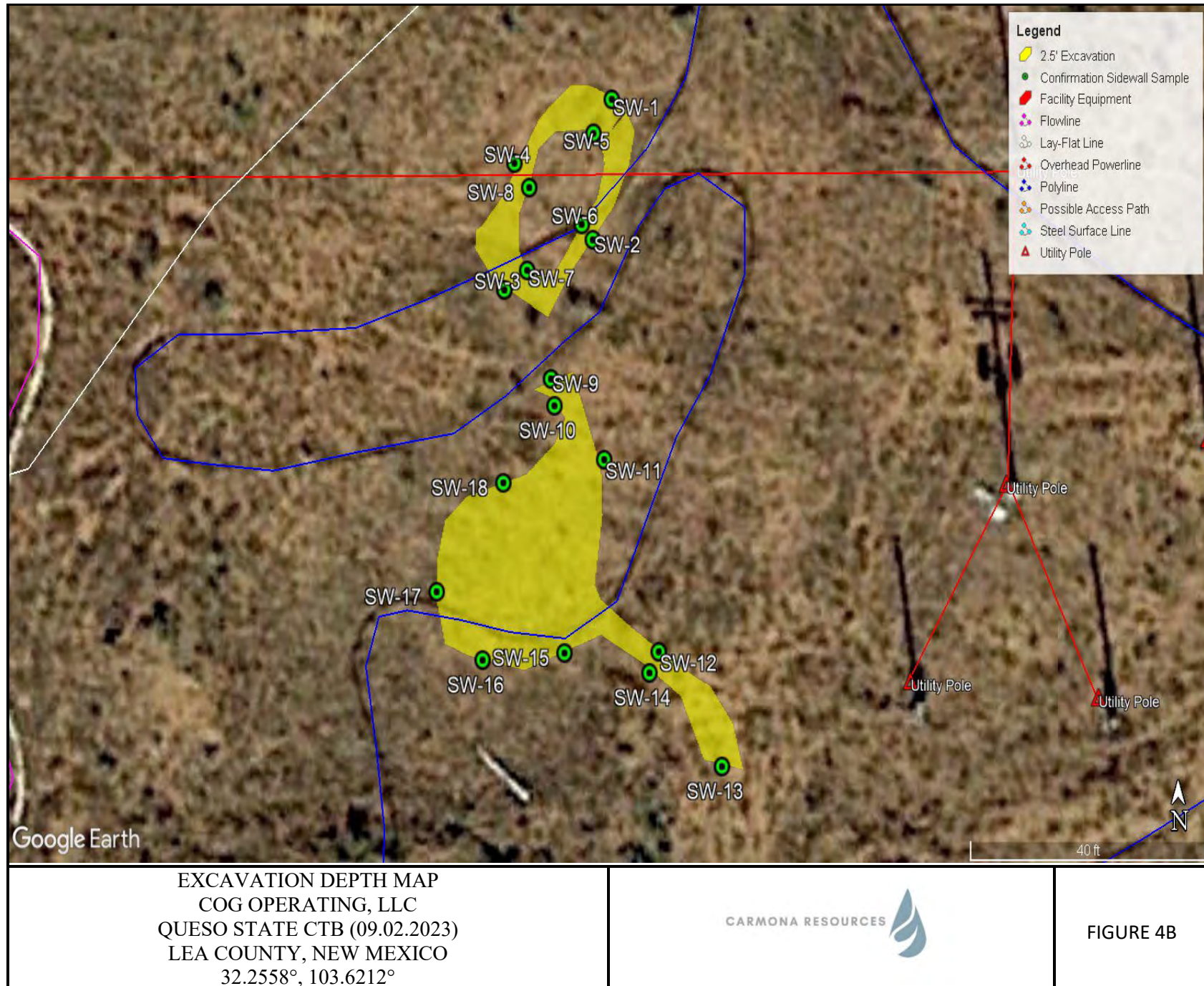
TOPOGRAPHIC MAP
 COG OPERATING, LLC
 QUESO STATE CTB (09.02.2023)
 LEA COUNTY, NEW MEXICO
 32.2558°, 103.6212°



FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Queso State CTB (09.02.2023)
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						
S-1	9/22/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,270
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,580
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,140
S-2	9/22/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,170
	"	1.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,710
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,030
S-3	9/22/2023	0-1	<49.5	<49.5	<49.5	<49.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,170
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,920
	"	2.0	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,630
S-4	9/22/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	146
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	173
S-5	9/22/2023	0-1	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,600
	"	1.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,890
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	4,600
S-6	9/22/2023	0-1	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,370
	"	1.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,160
	"	2.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,710
S-7	9/22/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,880
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,830
	"	2.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,850
S-8	9/22/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	93.2
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00201	0.00305	<0.00201	<0.00402	<0.00402	105
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	107
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 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 1
Conoco Phillips
Queso State CTB (09.02.2023)
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						
H-1	9/22/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	109
H-2	9/22/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	107
H-3	9/22/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	92.0
H-4	9/22/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	113
H-5	9/22/2023	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	113
H-6	9/22/2023	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Table 2
Conoco Phillips
Queso State CTB (09.02.2023)
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						
CS-1	10/5/2023	2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.7
CS-2	10/5/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	163
CS-3	10/5/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144
CS-4	10/5/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	168
CS-5	10/5/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	165
CS-6	10/5/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	131
CS-7	10/5/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
CS-8	10/5/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	149
CS-9	10/5/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	131
CS-10	10/5/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.5
SW-1	10/5/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	147
SW-2	10/5/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	136
SW-3	10/5/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	141
SW-4	10/5/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	142
SW-5	10/5/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	131
SW-6	10/5/2023	2.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	156
SW-7	10/5/2023	2.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	140
SW-8	10/5/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144
SW-9	10/5/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	73.1
SW-10	10/5/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	132
SW-11	10/5/2023	2.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
SW-12	10/5/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
SW-13	10/5/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.0
SW-14	10/5/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	122
SW-15	10/5/2023	2.5	<49.5	<49.5	<49.5	<49.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	78.1
SW-16	10/5/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
SW-17	10/5/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	125
SW-18	10/5/2023	2.5	<49.5	<49.5	<49.5	<49.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	125
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View North, area of CS-1.



Photograph No. 2

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View West, area of CS-1.



Photograph No. 3

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View North, area of CS-2 and CS-3.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 4****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View Northeast, area of CS-4.

**Photograph No. 5****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-5 and CS-6.

**Photograph No. 6****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View South, area of CS-6 through CS-8.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-9 and CS-10.



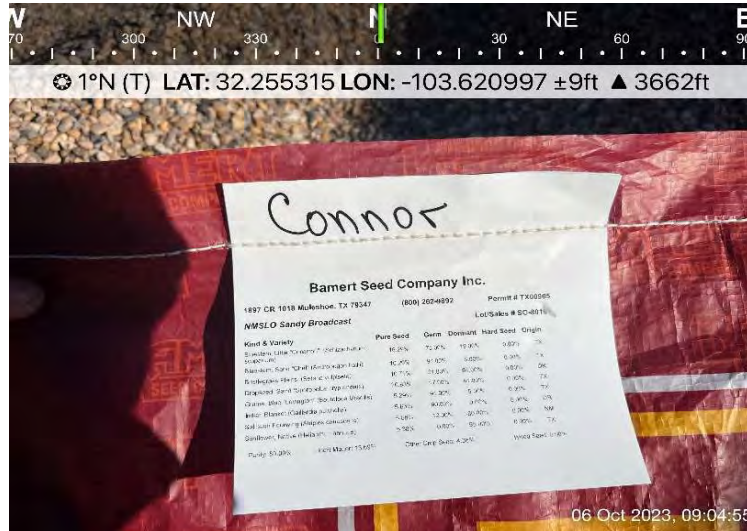
Photograph No. 8

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View of Seed Mix.



Photograph No. 9

Facility: Queso State CTB (09.02.2023)

County: Lea County, New Mexico

Description:

View of Seed Mix.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 10****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View North, reclaimed and reseeded area.

**Photograph No. 11****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View North, reclaimed and reseeded area.

**Photograph No. 12****Facility:** Queso State CTB (09.02.2023)**County:** Lea County, New Mexico**Description:**

View Southeast, reclaimed and reseeded area.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.	
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.	
Printed Name _____	Title: _____
Signature: <u>Scott Rodgers</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Scott Rodgers</u>	Date: <u>09/19/2023</u>

*Received by OCD: 11/6/2023 10:13:56 AM**Page 24 of 202*

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	27.0	28.0	2.0	Off-Pad ✓	15.02%	22.43	3.37
Rectangle B	52.0	1.0	0.2	Off-Pad ✓	15.02%	0.15	0.02
Rectangle C	13.0	3.0	3.0	Off-Pad ✓	15.02%	1.74	0.26
Rectangle D	64.0	1.5	0.2	Off-Pad ✓	15.02%	0.28	0.04
Rectangle E				✓		0.00	
Rectangle F				✓		0.00	
Rectangle G				✓		0.00	
Rectangle H				✓		0.00	
Rectangle I				✓		0.00	
				✓		0.00	
Total Subsurface Volume Released:							3.6953

Released to Imaging: 2/23/2024 7:55:04 AM

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

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

CONDITIONS

Action 267072

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 267072
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/20/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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.

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 02/23/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

From: Rodgers, Scott, EMNRD
Sent: Friday, September 29, 2023 11:53 AM
To: Conner Moehring; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Laird, Jacob; Esparza, Brittany; Mike Carmona; Devin Dominguez; Clint Merritt
Subject: RE: [EXTERNAL] COG - Queso State CTB - Sampling Notification - NAPP2326247449

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Friday, September 29, 2023 10:45 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] COG - Queso State CTB - Sampling Notification - NAPP2326247449

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

This email serves as a notification for confirmation sampling for the COG – Queso State CTB (NAPP2326247449). Sampling is scheduled to begin on Tuesday, October 3rd around 11:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2326247449

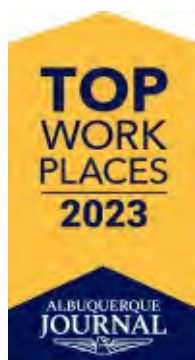
Please call if you have any questions.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com



From: SLO Spills
Sent: Friday, September 29, 2023 12:47 PM
To: Conner Moehring
Subject: RE: COG - Queso State CTB - Sampling Notification - NAPP2326247449

Received



Environmental Compliance Office
Surface Resources Division
eco@slo.state.nm.us
nmstatelands.org
.....



CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is **STRICTLY PROHIBITED**. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Friday, September 29, 2023 10:46 AM
To: SLO Spills <spills@slo.state.nm.us>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] COG - Queso State CTB - Sampling Notification - NAPP2326247449

Good Morning,

This email serves as a notification for confirmation sampling for the COG – Queso State CTB (NAPP2326247449). The arch survey has cleared. Attached is the cover page from the arch survey. Sampling is scheduled to begin on Tuesday, October 3rd around 11:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2326247449

Please call if you have any questions.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES

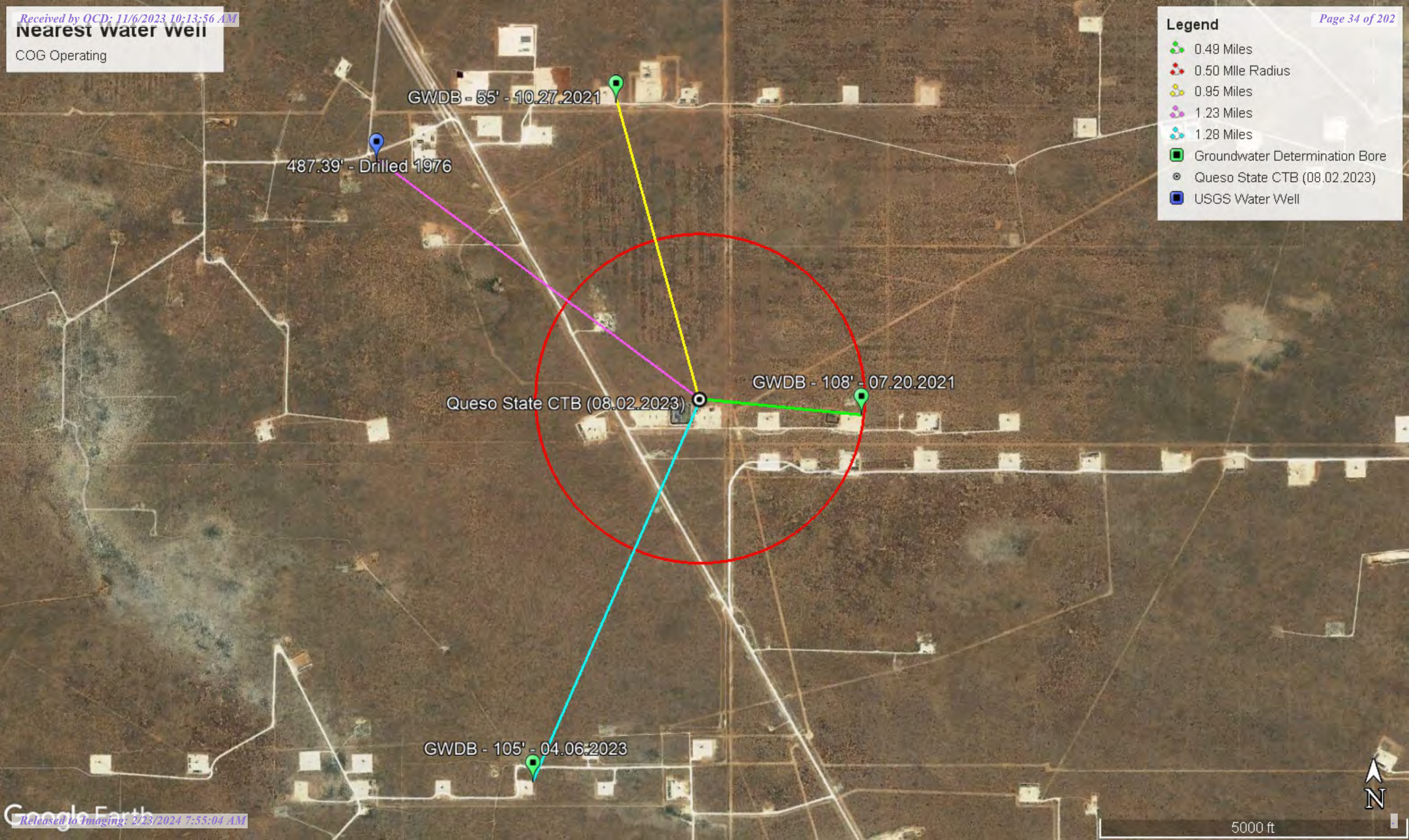


Nearest water well

COG Operating

Legend

- 0.49 Miles
- 0.50 Mile Radius
- 0.95 Miles
- 1.23 Miles
- 1.28 Miles
- Groundwater Determination Bore
- Queso State CTB (08.02.2023)
- USGS Water Well



5000 ft



Low Karst

COG Operating

Legend

- Low
- Queso State CTB (08.02.2023)

Queso State CTB (08.02.2023)

128

128

128

128

128

2



3 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04551 POD1	CUB	LE		4	4	3	31	23S	33E	630671	3569556	798			
C 01932	C	ED			3	1	12	24S	32E	628633	3567188*	2739	492		
C 03591 POD1	CUB	LE		2	1	4	05	24S	33E	632731	3568518	3064			
C 04707 POD1	CUB	LE		4	3	3	33	23S	33E	633413	3569469	3540			
C 02276	CUB	LE		3	1	4	19	23S	33E	630848	3573154*	3656	650	400	250

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 629875.64

Northing (Y): 3569629.41

Radius: 4000

*UTM location was derived from PLSS - see Help

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

9/8/23 7:24 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

		WSP USA		BH or PH Name: BH01		Date: 7/20/21		
		508 West Stevens Street Carlsbad, New Mexico 88220		Site Name: Mis Amigos Battery		RP or Incident Number: NRM2030442941		
				LTE Job Number: TE012920154 / TE012920127				
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: FS		Method: Hollow Stem		
Lat/Long: 32.255113, -103.612736		Field Screening: Chloride, PID		Hole Diameter:		Total Depth: 108.01		
Comments: No sampling, Lithology remarks only								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m						1	SP	SAND, moist, reddish brown, poorly graded, fine grain, no stain, no odor
						2		
						3		
						4		
m						5	SP	increase in moisture
						6		
						7		
						8		
						9		
m						10	SP	color change light brown, decrease in moisture
						11		
						12		
						13		
						14		
m						15		
						16	CCHE	CALICHE, moist, tan-off white, poor-moderate consolidation, no stain, no odor
						17		
						18		
						19		
m						20	CCHE	poorly consolidated
						21		
						22		
						23		
						24		
m						25	CCHE	

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220		BH or PH Name:		Date:				
		BHO1		7/20/21				
		Site Name: <u>Mis Amigos Battery</u>						
		RP or Incident Number: <u>NRM2030442941</u>						
LTE Job Number: <u>TE012920154/TE012920127</u>								
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long:		Field Screening:		Hole Diameter:				
32.255113, -103.612736		Chloride, PID		Total Depth:				
Comments: <u>No sampling, lithology remarks only</u>								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m						26	CCHE	CALICHE, moist, tan-off white, poorly consolidated, some medium grained sand, no stain, no odor.
						27		
						28		
						29		
						30		
						31		
						32		
						33		
						34		
						35		
m						36	CCHE	abundant medium grained sand
						37		
						38		
						39		
						40		
m						41	SP	SAND, moist, light brown poorly graded, fine-medium grain, trace caliche gravel (0.5-1mm), no stain, no odor
						42		
						43		
						44		
						45		
m						46	SC	CLAYEY SAND, moist, brown-reddish brown, poorly graded, fine-medium grain, no plasticity, cohesive
						47		
						48		
						49		
						50		
m							CL	SANDY CLAY, moist, reddish brown, cohesive, no plasticity, poorly graded, fine grain, no stain, no odor

		WSP USA		BH or PH Name: BHO1		Date: 7/20/21	
		508 West Stevens Street Carlsbad, New Mexico 88220		Site Name: <u>Mis Amigos Battery</u>		RP or Incident Number: <u>NRM2030442941</u>	
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: <u>FS</u>		Method: <u>Hollow stem</u>	
Lat/Long: <u>32.256113, -103.612136</u>		Field Screening: Chloride, PID		Hole Diameter: <u>1</u>		Total Depth: <u>108.01</u>	
Comments: <u>No sampling, lithology remarks only</u>							
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol
m						51	
						52	
						53	
						54	
						55	
m						56	CL-S CLAYSTONE, moist, reddish brown poorly cemented, no stain, no odor
						57	
						58	
						59	
						60	CL-S
m						61	
						62	
						63	
						64	
						65	CL-S color change, greyish brown, mainly from heat (switch to air).
D						66	
						67	
						68	
						69	
						70	SC CLAYEY SAND, dry, light brown - reddish brown, no plasticity, cohesive, some poorly graded, medium grained sand, some silt, no stain, no odor
D						71	
						72	
						73	
						74	
						75	SM SILTY SAND, dry, light brown, poorly graded, fine - very fine grain, some silt, soft, no plasticity, cohesive, no stain, no odor

WSP

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:

BH01

Date:

7/20/21

Site Name:

Mis Amigos Battery

RP or Incident Number: NRM203044294.1

LTE Job Number: TE012920154 / TE012920127

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:

32.256113, -103.612736

Field Screening:

Chloride, PID

Logged By FS

Method:

Hollow stem

Hole Diameter:

Total Depth:

108.01

Comments:

No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D						76		
						77		
						78		
						79		
						80	SC	CLAYEY SAND, dry, light brown-reddish brown, poorly graded, fine-medium grain, some clay, no plasticity, cohesive, no stain, no odor
						81		
						82		
						83		
D						84		
						85		
						86	CL	SANDY CLAY, dry, reddish brown-blueish grey, no plasticity, cohesive, some poorly graded sand, no stain, no odor
						87		
						88		
						89		
						90		
D						91	CL	some silt, trace sand
						92		
						93		
						94		
						95		
D						96	CL	abundant silt
						97		
						98		
						99		
D						100	CL	CLAY, dry, brown-blueish gray, low plasticity, cohesive, no stain, no odor

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220		BH or PH Name: BHO1		Date: 7/20/21				
		Site Name: <u>Mis Amigos Battery</u>						
		RP or Incident Number: <u>NRM2030442941</u>						
		LTE Job Number: <u>TE012920154/TE012920129</u>						
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.255113, -103.612736		Field Screening: Chloride, PID		Logged By: <u>FS</u> Hole Diameter:				
Comments: No sampling, lithology remarks only				Method: <u>Hollow stem</u> Total Depth: <u>108.01</u>				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D						101		CLAYSTONE, dry, reddish brown, weathered, no stain, no odor
						102		
						103		
						104		
						105		
						106	CL-S	
						107		
						108	CL-S	
D						109		TD 108.01'
						110		
						111		
						112		
						113		
						114		
						115		
						116		
						117		
						118		
						119		
						120		
						121		
						122		
						123		
						124		
						125		



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DT AUG 17 2021 4:03:05

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4551			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15	SECONDS 18.36 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW Sec. 31T23S R33E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 07/20/2021	DRILLING ENDED 07/20/2021	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 108	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	108	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

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

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

CSE DTI AUG 17 2021 PM 3:08

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	15	15	Sand, fine grain, poorly graded, moist, Reddish Brown	Y ✓ N	
	15	40	25	Caliche, poorly consolidated, Tan-Off White	Y ✓ N	
	40	45	5	Sand, medium-fine grain, poorly graded, trace caliche, Light Brown	Y ✓ N	
	45	50	5	Clayey Sand, fine- medium grain , poorly graded, cohesive, Reddish Brown	Y ✓ N	
	50	55	5	Sandy Clay, fine- medium grain , poorly graded, cohesive, Reddish Brown	Y ✓ N	
	55	70	15	Claystone, poorly cemented, cohesive, Reddish brown,	Y ✓ N	
	70	75	5	Clayey Sand, medium grain , poorly graded, cohesive, Light Brown	Y ✓ N	
	75	80	5	Silty Sand, fine- very finegrain , poorly graded, cohesive, Light Brown	Y ✓ N	
	80	85	5	Clayey Sand, fine- medium grain , poorly graded, cohesive, Light Brown	Y ✓ N	
	85	100	15	Sandy Clay, poorly graded, cohesive, Reddish Brown	Y ✓ N	
	100	105	5	Clay, low plasticity, cohesive, Brown-Blueish Gray, Dry	Y ✓ N	
	105	108	3	Claystone, poorly cemented, cohesive, Reddish brown, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 Jackie D. Atkins				08/13/2021	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE	

FOR OSE INTERNAL USE

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

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



Project Name :	Cimarex - Triste Draw 25 ROW	Date :	Wednesday, October 27th, 2021
Project No. :	214707	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.269008°, -103.625727°	Method :	Air Rotary
Elevation :	3,625'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish orange, coarse-grained loose sand and white caliche gravel in equal amounts. (SP). Dry		50		(50') - Yellowish orange, loose alluvial sand and gravel. Pebble size chert fragments. Chert is white to medium gray, angular to subrounded. >50% fine grained sand w/ 20% chert. (SW) Dry	
5		(3') - Reddish brown, coarse-grained to fine-grained, angular to rounded loose sand (SM). Dry		55		(55') - GWDB terminated @ 11:00 (MT) to a TD of 55' bgs	
10				60			
15		(15') - Yellowish orange, alluvial sand and gravelk. Well-graded fine-grained sand with <10% cobble sized white caliche (SW). Dry		65			
20				70			
25				75			
30				80			
35				85			
40				90			
45		(45') - Yellowish orange, rounded to angular loose sand with <10% caliche gravel. (SW) Dry		95			
50				105			

Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

Check for presence of groundwater on 11/01/2021



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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How are we doing? We want to hear from you. Take our quick survey to tell us what you think.

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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 =

- 321555103381501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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
1976-12-08		D	62610		3190.61	NGVD29	P	Z		
1976-12-08		D	62611		3192.34	NAVD88	P	Z		
1976-12-08		D	72019	487.39			P	Z		

Explanation

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

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	P	Pumping
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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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-09-08 09:49:46 EDT
0.33 0.29 nadww01

SOIL BORE LOG

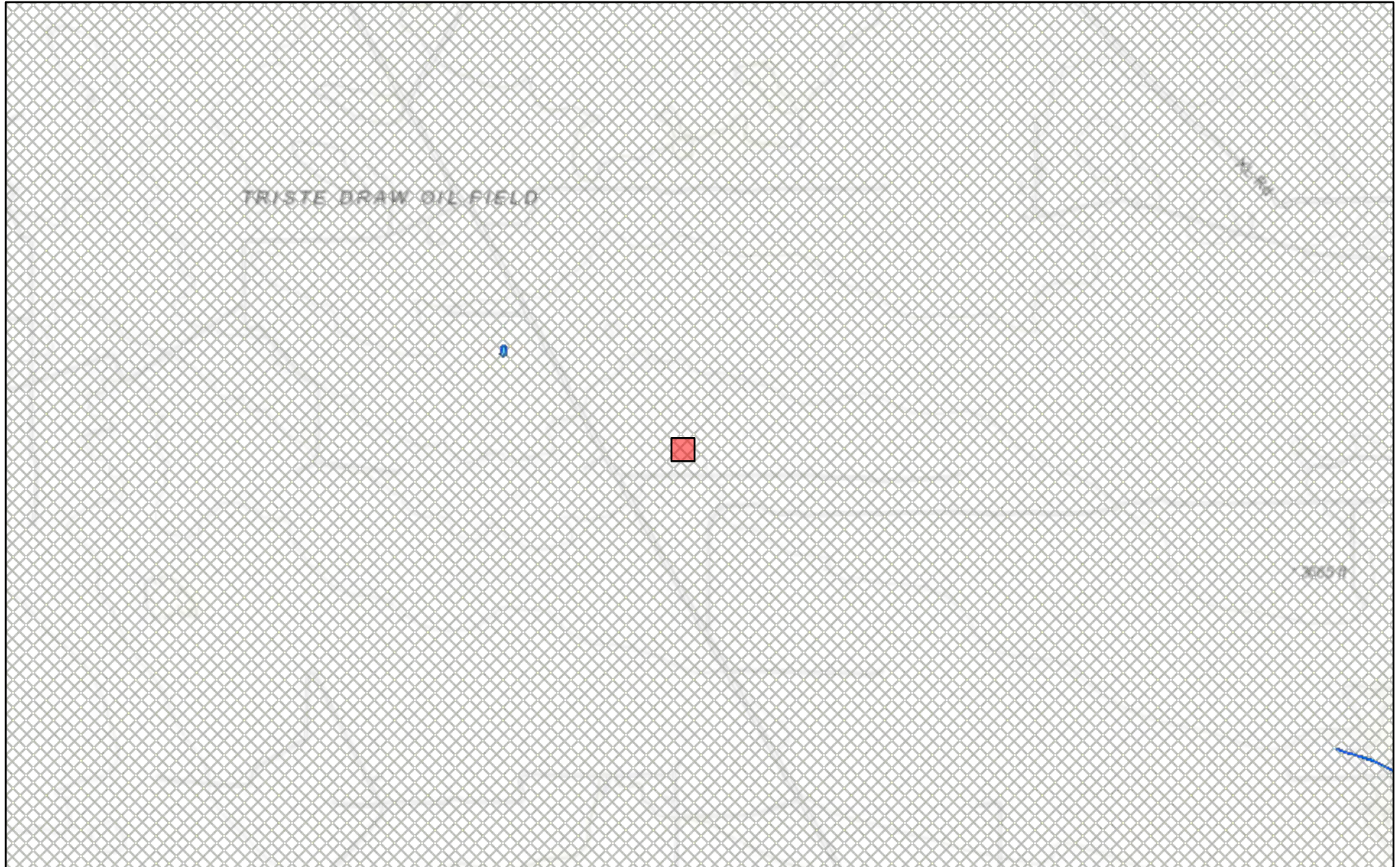
Project:	Dos Equis 12-13 Fed Com #047H	Date:	April 06, 2023
Type:	Exploratory Water Bore	Location:	Dos Equis Fed Com #003

Depth	Soil Type	Classification	Comments
0-5'	Caliche		
10'	Fine Red Sand		
15'	Fine Red Sand		
20'	Fine Red Sand		
25'	Fine Red Sand		
30'	Fine Red Sand		
35'	Fine Red Sand		
40'	Fine Red Sand		
45'	Fine Red Sand		
50'	Fine Red Sand		
55'	Fine Red Sand		
60'	Fine Red Sand		
65'	Fine Red Sand		
70'	Fine Red Sand		
75'	Fine Red Sand		
80'	Fine Red Sand		
85'	Fine Red Sand		
90'	Fine Red Sand		
95'	Fine Red Sand		

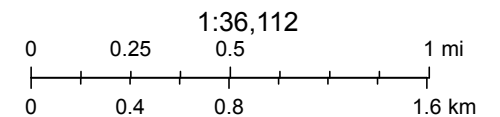
SOIL BORE LOG			
Project:	Dos Equis 12-13 Fed Com #047H	Date:	April 06, 2023
Type:	Exploratory Water Bore	Location:	Dos Equis 12 Fed Com #003

Depth	Soil Type	Classification	Comments
100'	Fine Red Sand		
105'	Fine Red Sand		No groundwater on 4/06/23 or 4/10/23
Total Depth-105'			GPS: 32.238888,-103.630094

New Mexico NFHL Data



September 8, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/27/2023 12:22:34 PM

JOB DESCRIPTION

Queso State CTB
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-33629-1

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
9/27/2023 12:22:34 PM

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

Client: Carmona Resources
Project/Site: Queso State CTB

Laboratory Job ID: 880-33629-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

Job ID: 880-33629-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-33629-1**

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 9/25/2023 4:46 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 0.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-33629-1), H-2 (0-0.5') (880-33629-2), H-3 (0-0.5') (880-33629-3), H-4 (0-0.5') (880-33629-4), H-5 (0-0.5') (880-33629-5) and H-6 (0-0.5') (880-33629-6).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-33623-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63286 and analytical batch 880-63282 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63286 and analytical batch 880-63282 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63285 and analytical batch 880-63274 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-1

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 12:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 12:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	09/26/23 09:26	09/26/23 12:24	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/26/23 09:26	09/26/23 12:24	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			09/26/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/23 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/26/23 09:17	09/26/23 11:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/23 09:17	09/26/23 11:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/23 09:17	09/26/23 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	09/26/23 09:17	09/26/23 11:21	1
o-Terphenyl	106		70 - 130	09/26/23 09:17	09/26/23 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.03		mg/Kg			09/26/23 19:59	1

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

Lab Sample ID: 880-33629-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 12:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 12:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 12:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 12:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 12:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/26/23 09:26	09/26/23 12:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/26/23 09:26	09/26/23 12:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 12:45	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			09/26/23 12:26	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		09/26/23 09:17	09/26/23 12:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/23 09:17	09/26/23 12:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/23 09:17	09/26/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/26/23 09:17	09/26/23 12:26	1
o-Terphenyl	100		70 - 130				09/26/23 09:17	09/26/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.96		mg/Kg			09/26/23 20:05	1

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

Lab Sample ID: 880-33629-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 13:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/23 09:26	09/26/23 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 13:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/23 09:26	09/26/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				09/26/23 09:26	09/26/23 13:05	1
1,4-Difluorobenzene (Surr)	125		70 - 130				09/26/23 09:26	09/26/23 13:05	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			09/26/23 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/26/23 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 12:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 12:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/26/23 09:17	09/26/23 12:47	1
o-Terphenyl	94		70 - 130				09/26/23 09:17	09/26/23 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		4.96		mg/Kg			09/26/23 20:11	1

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

Lab Sample ID: 880-33629-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 13:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 13:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/26/23 09:26	09/26/23 13:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/26/23 09:26	09/26/23 13:26	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			09/26/23 13:26	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			09/26/23 13:09	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	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				09/26/23 09:17	09/26/23 13:09	1
o-Terphenyl	95		70 - 130				09/26/23 09:17	09/26/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.99		mg/Kg			09/26/23 20:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-5

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/26/23 09:26	09/26/23 13:46	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/26/23 09:26	09/26/23 13:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/23 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/26/23 13:31	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	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 13:31	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 13:31	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/26/23 09:17	09/26/23 13:31	1
o-Terphenyl	100		70 - 130	09/26/23 09:17	09/26/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.04		mg/Kg			09/26/23 20:23	1

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

Lab Sample ID: 880-33629-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 14:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 14:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	09/26/23 09:26	09/26/23 14:06	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/26/23 09:26	09/26/23 14:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/26/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/26/23 09:17	09/26/23 13:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/26/23 09:17	09/26/23 13:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/26/23 09:17	09/26/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/26/23 09:17	09/26/23 13:53	1
o-Terphenyl	100		70 - 130				09/26/23 09:17	09/26/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.98		mg/Kg			09/26/23 20:29	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
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)
880-33623-A-1-A MS	Matrix Spike	121	77
880-33623-A-1-B MSD	Matrix Spike Duplicate	91	75
880-33629-1	H-1 (0-0.5')	84	105
880-33629-2	H-2 (0-0.5')	104	109
880-33629-3	H-3 (0-0.5')	130	125
880-33629-4	H-4 (0-0.5')	94	109
880-33629-5	H-5 (0-0.5')	106	111
880-33629-6	H-6 (0-0.5')	100	111
LCS 880-63286/1-A	Lab Control Sample	94	104
LCSD 880-63286/2-A	Lab Control Sample Dup	99	95
MB 880-63286/5-A	Method Blank	124	137 S1+
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)
880-33629-1	H-1 (0-0.5')	129	106
880-33629-1 MS	H-1 (0-0.5')	116	90
880-33629-1 MSD	H-1 (0-0.5')	115	87
880-33629-2	H-2 (0-0.5')	118	100
880-33629-3	H-3 (0-0.5')	112	94
880-33629-4	H-4 (0-0.5')	113	95
880-33629-5	H-5 (0-0.5')	118	100
880-33629-6	H-6 (0-0.5')	116	100
LCS 880-63285/2-A	Lab Control Sample	99	119
LCSD 880-63285/3-A	Lab Control Sample Dup	89	90
MB 880-63285/1-A	Method Blank	149 S1+	139 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63286/5-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/23 09:26	09/26/23 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	09/26/23 09:26	09/26/23 11:15	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	09/26/23 09:26	09/26/23 11:15	1

Lab Sample ID: LCS 880-63286/1-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09076		mg/Kg		91	70 - 130
Toluene	0.100	0.08519		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.07717		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08627		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-63286/2-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09651		mg/Kg		97	70 - 130	6	35
Toluene	0.100	0.09381		mg/Kg		94	70 - 130	10	35
Ethylbenzene	0.100	0.09099		mg/Kg		91	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	14	35
o-Xylene	0.100	0.1005		mg/Kg		101	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-33623-A-1-A MS

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09835		mg/Kg		98	70 - 130
Toluene	0.0697	F1	0.0998	0.1047	F1	mg/Kg		35	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33623-A-1-A MS

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0480	F1	0.0998	0.1178		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	0.127	F1	0.200	0.3257		mg/Kg		99	70 - 130
o-Xylene	0.0720	F1	0.0998	0.1193	F1	mg/Kg		47	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-33623-A-1-B MSD

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07757		mg/Kg		78	70 - 130	24	35
Toluene	0.0697	F1	0.0990	0.08801	F1	mg/Kg		18	70 - 130	17	35
Ethylbenzene	0.0480	F1	0.0990	0.09365	F1	mg/Kg		46	70 - 130	23	35
m-Xylene & p-Xylene	0.127	F1	0.198	0.2585	F1	mg/Kg		66	70 - 130	23	35
o-Xylene	0.0720	F1	0.0990	0.09084	F1	mg/Kg		19	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

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

Lab Sample ID: MB 880-63285/1-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63285

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		09/26/23 08:00	09/26/23 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	09/26/23 08:00	09/26/23 08:35	1
o-Terphenyl	139	S1+	70 - 130	09/26/23 08:00	09/26/23 08:35	1

Lab Sample ID: LCS 880-63285/2-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	904.6		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	793.9		mg/Kg		79	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-63285/2-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63285

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-63285/3-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.2		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	781.3		mg/Kg		78	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-33629-1 MS

Matrix: Solid

Analysis Batch: 63274

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

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1013		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1009		mg/Kg		97	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-33629-1 MSD

Matrix: Solid

Analysis Batch: 63274

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

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	983.8		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	991.1		mg/Kg		96	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	87		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63287/1-A Matrix: Solid Analysis Batch: 63345										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			09/26/23 17:39	1		

Lab Sample ID: LCS 880-63287/2-A Matrix: Solid Analysis Batch: 63345										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-63287/3-A Matrix: Solid Analysis Batch: 63345										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	241.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-33627-A-3-B MS Matrix: Solid Analysis Batch: 63345										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	106		250	346.4		mg/Kg		96	90 - 110		

Lab Sample ID: 880-33627-A-3-C MSD Matrix: Solid Analysis Batch: 63345										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	106		250	346.6		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 63282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	8021B	63286
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	8021B	63286
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	8021B	63286
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	8021B	63286
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	8021B	63286
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	8021B	63286
MB 880-63286/5-A	Method Blank	Total/NA	Solid	8021B	63286
LCS 880-63286/1-A	Lab Control Sample	Total/NA	Solid	8021B	63286
LCSD 880-63286/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63286
880-33623-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	63286
880-33623-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	63286

Prep Batch: 63286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-63286/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63286/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63286/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33623-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-33623-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 63441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 63274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	63285
MB 880-63285/1-A	Method Blank	Total/NA	Solid	8015B NM	63285
LCS 880-63285/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63285
LCSD 880-63285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63285
880-33629-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	63285
880-33629-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	63285

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 63285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-63285/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63285/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33629-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-33629-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-33629-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-33629-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-33629-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-33629-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-33629-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-33629-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-33629-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-33629-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-33629-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-33629-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-63287/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63287/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63287/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33627-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-33627-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 63345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33629-1	H-1 (0-0.5')	Soluble	Solid	300.0	63287
880-33629-2	H-2 (0-0.5')	Soluble	Solid	300.0	63287
880-33629-3	H-3 (0-0.5')	Soluble	Solid	300.0	63287
880-33629-4	H-4 (0-0.5')	Soluble	Solid	300.0	63287
880-33629-5	H-5 (0-0.5')	Soluble	Solid	300.0	63287
880-33629-6	H-6 (0-0.5')	Soluble	Solid	300.0	63287
MB 880-63287/1-A	Method Blank	Soluble	Solid	300.0	63287
LCS 880-63287/2-A	Lab Control Sample	Soluble	Solid	300.0	63287
LCSD 880-63287/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63287
880-33627-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	63287
880-33627-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	63287

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-1

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			63422	09/26/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 11:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 19:59	CH	EET MID

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

Lab Sample ID: 880-33629-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 12:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			63422	09/26/23 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 20:05	CH	EET MID

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

Lab Sample ID: 880-33629-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 13:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			63422	09/26/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 12:47	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 20:11	CH	EET MID

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

Lab Sample ID: 880-33629-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 13:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33629-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			63422	09/26/23 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 20:17	CH	EET MID

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

Lab Sample ID: 880-33629-5

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 13:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			63422	09/26/23 13:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 20:23	CH	EET MID

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

Lab Sample ID: 880-33629-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63441	09/26/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			63422	09/26/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		1			63345	09/26/23 20:29	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
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

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

Method Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
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

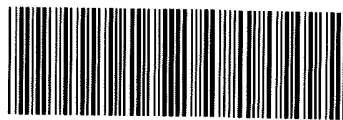
Sample Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33629-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33629-1	H-1 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33629-2	H-2 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33629-3	H-3 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33629-4	H-4 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33629-5	H-5 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33629-6	H-6 (0-0.5')	Solid	09/22/23 00:00	09/25/23 16:46

- 1
- 2
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- 9
- 10
- 11
- 12
- 13
- 14



880-33629 Chain of Custody

Page 1 of 1

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

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

Project Name		Queso State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number		2131		☐ Routine ☒ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																None NO DI Water H ₂ O							
Project Location		Lea County New Mexico		Due Date																				72 HR		Cool Cool MeOH Me					
Sampler's Name		JR		Wet Ice																				☒ Yes ☐ No		HCL HC HNO ₃ HN					
PO #																										H ₂ SO ₄ H ₂ NaOH Na					
SAMPLE RECEIPT		Temp Blank.		Yes ☒ No ☐		Thermometer ID		Yes ☒ No ☐		H ₃ PO ₄ HP		NaHSO ₄ NABIS		Na S ₂ O NaSO ₄		Zn Acetate+NaOH Zn		NaOH+Ascorbic Acid SAPC													
Received Intact:		Yes ☒ No ☐		Correction Factor:		1.0		Temperature Reading		0.7																					
Cooler Custody Seals		Yes ☒ No ☐		Temperature Reading		0.7																									
Sample Custody Seals		Yes ☒ No ☐		Corrected Temperature																											
Total Containers																															
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
H-1 (0-0 5')		9/22/2023				X				G		1		X X X																	
H-2 (0-0 5')		9/22/2023				X				G		1		X X X																	
H-3 (0-0 5')		9/22/2023				X				G		1		X X X																	
H-4 (0-0 5')		9/22/2023				X				G		1		X X X																	
H-5 (0-0 5')		9/22/2023				X				G		1		X X X																	
H-6 (0-0 5')		9/22/2023				X				G		1		X X X																	

Comments Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com			
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Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
<i>[Signature]</i>		9/25/23 1646		<i>[Signature]</i>			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-33629-1

SDG Number: Lea County, New Mexico

Login Number: 33629

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

Generated 9/28/2023 11:48:38 AM

JOB DESCRIPTION

Queso State CTB
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-33630-1

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
9/28/2023 11:48:38 AM

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

Client: Carmona Resources
Project/Site: Queso State CTB

Laboratory Job ID: 880-33630-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Job ID: 880-33630-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-33630-1**

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 9/25/2023 4:46 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 0.7°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (0-1') (880-33630-10), S-4 (2') (880-33630-12) and (880-33623-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63286 and analytical batch 880-63282 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63286 and analytical batch 880-63282 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 8021B: Surrogate recovery for the following sample was outside control limits: S-8 (1.5') (880-33630-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-63318/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63285 and analytical batch 880-63274 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-4 (0-1') (880-33630-10) and S-5 (0-1') (880-33630-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33630-1

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 14:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 14:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/26/23 09:26	09/26/23 14:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/26/23 09:26	09/26/23 14:27	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			09/26/23 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/26/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/26/23 09:17	09/26/23 14:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/26/23 09:17	09/26/23 14:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/26/23 09:17	09/26/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/26/23 09:17	09/26/23 14:15	1
o-Terphenyl	100		70 - 130	09/26/23 09:17	09/26/23 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270		24.9		mg/Kg			09/26/23 20:35	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-33630-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 14:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 14:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/26/23 09:26	09/26/23 14:48	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/26/23 09:26	09/26/23 14:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-33630-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 14:48	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			09/26/23 14:37	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	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 14:37	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 14:37	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/26/23 09:17	09/26/23 14:37	1
o-Terphenyl	100		70 - 130				09/26/23 09:17	09/26/23 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3580		25.3		mg/Kg			09/28/23 02:09	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-33630-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 16:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 16:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 16:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/26/23 09:26	09/26/23 16:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 16:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/26/23 09:26	09/26/23 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				09/26/23 09:26	09/26/23 16:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/26/23 09:26	09/26/23 16:38	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			09/26/23 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/26/23 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 14:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 14:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-33630-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/26/23 09:17	09/26/23 14:59	1
o-Terphenyl	102		70 - 130				09/26/23 09:17	09/26/23 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3140		25.2		mg/Kg			09/28/23 02:26	5

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

Lab Sample ID: 880-33630-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/26/23 09:26	09/26/23 16:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/26/23 09:26	09/26/23 16:59	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			09/26/23 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/26/23 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 15:21	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 15:21	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/26/23 09:17	09/26/23 15:21	1
o-Terphenyl	98		70 - 130				09/26/23 09:17	09/26/23 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3170		25.0		mg/Kg			09/28/23 02:32	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-33630-5

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 17:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 17:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 17:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 17:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 17:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/26/23 09:26	09/26/23 17:19	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/26/23 09:26	09/26/23 17:19	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			09/26/23 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/26/23 16:05	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	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 16:05	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 16:05	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/26/23 09:17	09/26/23 16:05	1
o-Terphenyl	96		70 - 130	09/26/23 09:17	09/26/23 16:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3710		24.8		mg/Kg			09/28/23 02:38	5

Client Sample ID: S-2 (2')

Lab Sample ID: 880-33630-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 17:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 17:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 17:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 17:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 17:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/26/23 09:26	09/26/23 17:40	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/26/23 09:26	09/26/23 17:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-33630-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/26/23 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 16:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 16:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/26/23 09:17	09/26/23 16:26	1
o-Terphenyl	101		70 - 130				09/26/23 09:17	09/26/23 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5030		49.6		mg/Kg			09/28/23 02:44	10

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-33630-7

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 18:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 18:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 18:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/23 09:26	09/26/23 18:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/23 09:26	09/26/23 18:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/23 09:26	09/26/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/26/23 09:26	09/26/23 18:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/26/23 09:26	09/26/23 18:00	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			09/26/23 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			09/26/23 16:48	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	<49.5	U	49.5		mg/Kg		09/26/23 09:17	09/26/23 16:48	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		09/26/23 09:17	09/26/23 16:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-33630-7

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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)	<49.5	U	49.5		mg/Kg		09/26/23 09:17	09/26/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/26/23 09:17	09/26/23 16:48	1
o-Terphenyl	99		70 - 130				09/26/23 09:17	09/26/23 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2170		24.9		mg/Kg			09/28/23 03:02	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-33630-8

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 18:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 18:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 18:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 18:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 09:26	09/26/23 18:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 09:26	09/26/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/26/23 09:26	09/26/23 18:21	1
1,4-Difluorobenzene (Surr)	123		70 - 130				09/26/23 09:26	09/26/23 18:21	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			09/26/23 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/26/23 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 17:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 17:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/26/23 09:17	09/26/23 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/26/23 09:17	09/26/23 17:10	1
o-Terphenyl	101		70 - 130				09/26/23 09:17	09/26/23 17:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		25.1		mg/Kg			09/28/23 03:07	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-33630-9

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 18:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 18:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 18:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 18:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 18:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 09:26	09/26/23 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	09/26/23 09:26	09/26/23 18:41	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/26/23 09:26	09/26/23 18:41	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			09/26/23 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/26/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 17:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 17:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/26/23 09:17	09/26/23 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	09/26/23 09:17	09/26/23 17:32	1
o-Terphenyl	101		70 - 130	09/26/23 09:17	09/26/23 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		25.1		mg/Kg			09/28/23 03:13	5

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-33630-10

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 19:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 19:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 19:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/23 09:26	09/26/23 19:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 19:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/23 09:26	09/26/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130	09/26/23 09:26	09/26/23 19:02	1
1,4-Difluorobenzene (Surr)	130		70 - 130	09/26/23 09:26	09/26/23 19:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-33630-10

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/26/23 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 17:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 17:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/26/23 09:17	09/26/23 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				09/26/23 09:17	09/26/23 17:54	1
o-Terphenyl	109		70 - 130				09/26/23 09:17	09/26/23 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.00		mg/Kg			09/28/23 03:19	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-33630-11

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 19:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 19:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				09/26/23 09:26	09/26/23 19:22	1
1,4-Difluorobenzene (Surr)	115		70 - 130				09/26/23 09:26	09/26/23 19:22	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			09/26/23 19:22	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			09/26/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 18:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-33630-11

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/23 09:17	09/26/23 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/26/23 09:17	09/26/23 18:16	1
o-Terphenyl	92		70 - 130				09/26/23 09:17	09/26/23 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		5.03		mg/Kg			09/28/23 03:25	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-33630-12

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 09:26	09/26/23 19:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 19:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/23 09:26	09/26/23 19:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/23 09:26	09/26/23 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130				09/26/23 09:26	09/26/23 19:43	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130				09/26/23 09:26	09/26/23 19:43	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			09/26/23 19:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/23 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/26/23 09:17	09/26/23 18:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/23 09:17	09/26/23 18:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/23 09:17	09/26/23 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/26/23 09:17	09/26/23 18:38	1
o-Terphenyl	96		70 - 130				09/26/23 09:17	09/26/23 18:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		5.02		mg/Kg			09/28/23 03:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-33630-13

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/26/23 22:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 22:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 22:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/26/23 22:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 22:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/26/23 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	09/26/23 10:18	09/26/23 22:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/26/23 10:18	09/26/23 22:57	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			09/26/23 22:57	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			09/26/23 19:00	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	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 19:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 19:00	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/26/23 09:17	09/26/23 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/26/23 09:17	09/26/23 19:00	1
o-Terphenyl	117		70 - 130	09/26/23 09:17	09/26/23 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3600		25.0		mg/Kg			09/28/23 03:48	5

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-33630-14

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/26/23 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 10:18	09/26/23 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 10:18	09/26/23 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/26/23 10:18	09/26/23 23:17	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/26/23 10:18	09/26/23 23:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-33630-14

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/26/23 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/26/23 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/26/23 09:17	09/26/23 19:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/26/23 09:17	09/26/23 19:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/26/23 09:17	09/26/23 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/26/23 09:17	09/26/23 19:22	1
o-Terphenyl	102		70 - 130				09/26/23 09:17	09/26/23 19:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3890		24.9		mg/Kg			09/28/23 03:54	5

Client Sample ID: S-5 (2')

Lab Sample ID: 880-33630-15

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/26/23 23:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/23 10:18	09/26/23 23:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 23:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/23 10:18	09/26/23 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/26/23 10:18	09/26/23 23:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/26/23 10:18	09/26/23 23:38	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			09/26/23 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/26/23 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/26/23 10:59	09/26/23 11:21	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/26/23 10:59	09/26/23 11:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (2')

Lab Sample ID: 880-33630-15

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/26/23 10:59	09/26/23 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				09/26/23 10:59	09/26/23 11:21	1
o-Terphenyl	120		70 - 130				09/26/23 10:59	09/26/23 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4600		24.9		mg/Kg			09/28/23 04:11	5

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-33630-16

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/26/23 23:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 23:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/26/23 23:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/26/23 23:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/26/23 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				09/26/23 10:18	09/26/23 23:59	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/26/23 10:18	09/26/23 23:59	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			09/26/23 23:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/26/23 12:26	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	<50.2	U	50.2		mg/Kg		09/26/23 10:59	09/26/23 12:26	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/26/23 10:59	09/26/23 12:26	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/26/23 10:59	09/26/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/26/23 10:59	09/26/23 12:26	1
o-Terphenyl	126		70 - 130				09/26/23 10:59	09/26/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		25.2		mg/Kg			09/28/23 04:17	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-33630-17

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 00:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 00:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 00:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 00:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 00:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	09/26/23 10:18	09/27/23 00:19	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/26/23 10:18	09/27/23 00:19	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			09/27/23 00:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/26/23 12:47	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	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 12:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 12:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/26/23 10:59	09/26/23 12:47	1
o-Terphenyl	125		70 - 130	09/26/23 10:59	09/26/23 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4160		25.0		mg/Kg			09/28/23 04:23	5

Client Sample ID: S-6 (2')

Lab Sample ID: 880-33630-18

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 00:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 00:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 00:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/23 10:18	09/27/23 00:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 00:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/23 10:18	09/27/23 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	09/26/23 10:18	09/27/23 00:40	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/26/23 10:18	09/27/23 00:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (2')

Lab Sample ID: 880-33630-18

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/27/23 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/26/23 13:09	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	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/26/23 10:59	09/26/23 13:09	1
o-Terphenyl	126		70 - 130				09/26/23 10:59	09/26/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5710		49.9		mg/Kg			09/28/23 04:29	10

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-33630-19

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 01:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/23 10:18	09/27/23 01:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/23 10:18	09/27/23 01:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/23 10:18	09/27/23 01:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/23 10:18	09/27/23 01:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/23 10:18	09/27/23 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/26/23 10:18	09/27/23 01:00	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/26/23 10:18	09/27/23 01:00	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			09/27/23 01:00	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			09/26/23 13:31	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		09/26/23 10:59	09/26/23 13:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/23 10:59	09/26/23 13:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-33630-19

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:59	09/26/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/26/23 10:59	09/26/23 13:31	1
o-Terphenyl	127		70 - 130				09/26/23 10:59	09/26/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3880		25.1		mg/Kg			09/28/23 04:35	5

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-33630-20

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 01:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 01:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/26/23 10:18	09/27/23 01:21	1
1,4-Difluorobenzene (Surr)	77		70 - 130				09/26/23 10:18	09/27/23 01:21	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			09/27/23 01:21	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			09/26/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/26/23 10:59	09/26/23 13:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/26/23 10:59	09/26/23 13:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/26/23 10:59	09/26/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/26/23 10:59	09/26/23 13:53	1
o-Terphenyl	113		70 - 130				09/26/23 10:59	09/26/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830		25.1		mg/Kg			09/28/23 04:41	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (2')

Lab Sample ID: 880-33630-21

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 01:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 01:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/23 10:18	09/27/23 01:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/23 10:18	09/27/23 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	09/26/23 10:18	09/27/23 01:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/26/23 10:18	09/27/23 01:42	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			09/27/23 01:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/26/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 14:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 14:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/26/23 10:59	09/26/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	09/26/23 10:59	09/26/23 14:15	1
o-Terphenyl	123		70 - 130	09/26/23 10:59	09/26/23 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3850		25.0		mg/Kg			09/28/23 04:46	5

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-33630-22

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 02:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 02:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 02:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/23 10:18	09/27/23 02:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 02:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/23 10:18	09/27/23 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	09/26/23 10:18	09/27/23 02:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/26/23 10:18	09/27/23 02:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-33630-22

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			09/27/23 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/26/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:37	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/26/23 10:59	09/26/23 14:37	1
o-Terphenyl	106		70 - 130				09/26/23 10:59	09/26/23 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.2		5.04		mg/Kg			09/27/23 22:35	1

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-33630-23

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 03:26	1
Toluene	0.00305		0.00201		mg/Kg		09/26/23 10:18	09/27/23 03:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/23 10:18	09/27/23 03:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/23 10:18	09/27/23 03:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/23 10:18	09/27/23 03:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/23 10:18	09/27/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				09/26/23 10:18	09/27/23 03:26	1
1,4-Difluorobenzene (Surr)	104		70 - 130				09/26/23 10:18	09/27/23 03:26	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			09/27/23 03:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/26/23 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:59	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-33630-23

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/26/23 10:59	09/26/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/26/23 10:59	09/26/23 14:59	1
o-Terphenyl	112		70 - 130				09/26/23 10:59	09/26/23 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.02		mg/Kg			09/27/23 22:55	1

Client Sample ID: S-8 (2')

Lab Sample ID: 880-33630-24

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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		09/26/23 10:18	09/27/23 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 03:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/23 10:18	09/27/23 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/27/23 03:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/23 10:18	09/27/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				09/26/23 10:18	09/27/23 03:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/26/23 10:18	09/27/23 03:47	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			09/27/23 03:47	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			09/26/23 15:21	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		09/26/23 10:59	09/26/23 15:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/23 10:59	09/26/23 15:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/23 10:59	09/26/23 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/26/23 10:59	09/26/23 15:21	1
o-Terphenyl	120		70 - 130				09/26/23 10:59	09/26/23 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.05		mg/Kg			09/27/23 23:02	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-33623-A-1-A MS	Matrix Spike	121	77
880-33623-A-1-B MSD	Matrix Spike Duplicate	91	75
880-33630-1	S-1 (0-1')	109	106
880-33630-2	S-1 (1.5')	102	109
880-33630-3	S-1 (2')	88	100
880-33630-4	S-2 (0-1')	96	102
880-33630-5	S-2 (1.5')	94	101
880-33630-6	S-2 (2')	91	111
880-33630-7	S-3 (0-1')	100	106
880-33630-8	S-3 (1.5')	105	123
880-33630-9	S-3 (2')	95	106
880-33630-10	S-4 (0-1')	186 S1+	130
880-33630-11	S-4 (1.5')	98	115
880-33630-12	S-4 (2')	209 S1+	133 S1+
880-33630-13	S-5 (0-1')	72	91
880-33630-13 MS	S-5 (0-1')	106	96
880-33630-13 MSD	S-5 (0-1')	113	116
880-33630-14	S-5 (1.5')	93	81
880-33630-15	S-5 (2')	94	83
880-33630-16	S-6 (0-1')	92	81
880-33630-17	S-6 (1.5')	92	83
880-33630-18	S-6 (2')	92	80
880-33630-19	S-7 (0-1')	93	78
880-33630-20	S-7 (1.5')	91	77
880-33630-21	S-7 (2')	81	94
880-33630-22	S-8 (0-1')	71	95
880-33630-23	S-8 (1.5')	68 S1-	104
880-33630-24	S-8 (2')	80	99
LCS 880-63286/1-A	Lab Control Sample	94	104
LCS 880-63314/1-A	Lab Control Sample	109	98
LCSD 880-63286/2-A	Lab Control Sample Dup	99	95
LCSD 880-63314/2-A	Lab Control Sample Dup	112	90
MB 880-63021/5-A	Method Blank	73	94
MB 880-63286/5-A	Method Blank	124	137 S1+
MB 880-63314/5-A	Method Blank	72	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-33629-A-1-B MS	Matrix Spike	116	90
880-33629-A-1-C MSD	Matrix Spike Duplicate	115	87
880-33630-1	S-1 (0-1')	116	100
880-33630-2	S-1 (1.5')	117	100

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Surrogate Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-33630-3	S-1 (2')	120	102
880-33630-4	S-2 (0-1')	115	98
880-33630-5	S-2 (1.5')	113	96
880-33630-6	S-2 (2')	119	101
880-33630-7	S-3 (0-1')	115	99
880-33630-8	S-3 (1.5')	118	101
880-33630-9	S-3 (2')	123	101
880-33630-10	S-4 (0-1')	133 S1+	109
880-33630-11	S-4 (1.5')	110	92
880-33630-12	S-4 (2')	114	96
880-33630-13	S-5 (0-1')	138 S1+	117
880-33630-14	S-5 (1.5')	119	102
880-33630-15	S-5 (2')	111	120
880-33630-15 MS	S-5 (2')	107	110
880-33630-15 MSD	S-5 (2')	109	108
880-33630-16	S-6 (0-1')	116	126
880-33630-17	S-6 (1.5')	116	125
880-33630-18	S-6 (2')	116	126
880-33630-19	S-7 (0-1')	116	127
880-33630-20	S-7 (1.5')	105	113
880-33630-21	S-7 (2')	114	123
880-33630-22	S-8 (0-1')	103	106
880-33630-23	S-8 (1.5')	105	112
880-33630-24	S-8 (2')	112	120
LCS 880-63285/2-A	Lab Control Sample	99	119
LCS 880-63318/2-A	Lab Control Sample	67 S1-	79
LCSD 880-63285/3-A	Lab Control Sample Dup	89	90
LCSD 880-63318/3-A	Lab Control Sample Dup	76	84
MB 880-63285/1-A	Method Blank	149 S1+	139 S1+
MB 880-63318/1-A	Method Blank	74	89

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63021/5-A

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/23 17:03	09/26/23 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/23 17:03	09/26/23 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/23 17:03	09/26/23 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/23 17:03	09/26/23 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/23 17:03	09/26/23 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/23 17:03	09/26/23 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	09/21/23 17:03	09/26/23 11:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/21/23 17:03	09/26/23 11:27	1

Lab Sample ID: MB 880-63286/5-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/23 09:26	09/26/23 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	09/26/23 09:26	09/26/23 11:15	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	09/26/23 09:26	09/26/23 11:15	1

Lab Sample ID: LCS 880-63286/1-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09076		mg/Kg		91	70 - 130
Toluene	0.100	0.08519		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.07717		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08627		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-63286/2-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09651		mg/Kg		97	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-63286/2-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09381		mg/Kg		94	70 - 130	10	35
Ethylbenzene	0.100	0.09099		mg/Kg		91	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	14	35
o-Xylene	0.100	0.1005		mg/Kg		101	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-33623-A-1-A MS

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09835		mg/Kg		98	70 - 130
Toluene	0.0697	F1	0.0998	0.1047	F1	mg/Kg		35	70 - 130
Ethylbenzene	0.0480	F1	0.0998	0.1178		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	0.127	F1	0.200	0.3257		mg/Kg		99	70 - 130
o-Xylene	0.0720	F1	0.0998	0.1193	F1	mg/Kg		47	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-33623-A-1-B MSD

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 63286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07757		mg/Kg		78	70 - 130	24	35
Toluene	0.0697	F1	0.0990	0.08801	F1	mg/Kg		18	70 - 130	17	35
Ethylbenzene	0.0480	F1	0.0990	0.09365	F1	mg/Kg		46	70 - 130	23	35
m-Xylene & p-Xylene	0.127	F1	0.198	0.2585	F1	mg/Kg		66	70 - 130	23	35
o-Xylene	0.0720	F1	0.0990	0.09084	F1	mg/Kg		19	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: MB 880-63314/5-A

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 22:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 22:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/23 10:18	09/26/23 22:35	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-63314/5-A

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/23 10:18	09/26/23 22:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/23 10:18	09/26/23 22:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				09/26/23 10:18	09/26/23 22:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130				09/26/23 10:18	09/26/23 22:35	1

Lab Sample ID: LCS 880-63314/1-A

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07589		mg/Kg		76	70 - 130
Toluene	0.100	0.07846		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07691		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1609		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08101		mg/Kg		81	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	109		70 - 130				
1,4-Difluorobenzene (Surr)	98		70 - 130				

Lab Sample ID: LCSD 880-63314/2-A

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08676		mg/Kg		87	70 - 130	13	35
Toluene	0.100	0.08453		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.07490		mg/Kg		75	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1582		mg/Kg		79	70 - 130	2	35
o-Xylene	0.100	0.09356		mg/Kg		94	70 - 130	14	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	90		70 - 130						

Lab Sample ID: 880-33630-13 MS

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 63314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.07621		mg/Kg		76	70 - 130
Toluene	<0.00199	U	0.0998	0.07656		mg/Kg		76	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.07614		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1568		mg/Kg		79	70 - 130
o-Xylene	<0.00199	U	0.0998	0.07795		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33630-13 MS

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 63314

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-33630-13 MSD

Matrix: Solid

Analysis Batch: 63283

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 63314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09224		mg/Kg		93	70 - 130	19	35
Toluene	<0.00199	U	0.0990	0.09224		mg/Kg		93	70 - 130	19	35
Ethylbenzene	<0.00199	U	0.0990	0.09367		mg/Kg		95	70 - 130	21	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1957		mg/Kg		99	70 - 130	22	35
o-Xylene	<0.00199	U	0.0990	0.09602		mg/Kg		97	70 - 130	21	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

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

Lab Sample ID: MB 880-63285/1-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63285

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		09/26/23 08:00	09/26/23 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	149	S1+	70 - 130	09/26/23 08:00	09/26/23 08:35	1			
o-Terphenyl	139	S1+	70 - 130	09/26/23 08:00	09/26/23 08:35	1			

Lab Sample ID: LCS 880-63285/2-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	904.6		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	793.9		mg/Kg		79	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	119		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-63285/3-A

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.2		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	781.3		mg/Kg		78	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	89		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 880-33629-A-1-B MS

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1013		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1009		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: 880-33629-A-1-C MSD

Matrix: Solid

Analysis Batch: 63274

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 63285

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	983.8		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	991.1		mg/Kg		96	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: MB 880-63318/1-A

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63318

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		09/26/23 08:00	09/26/23 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/23 08:00	09/26/23 08:35	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-63318/1-A

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63318

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	74		70 - 130	09/26/23 08:00	09/26/23 08:35	1				
o-Terphenyl	89		70 - 130	09/26/23 08:00	09/26/23 08:35	1				

Lab Sample ID: LCS 880-63318/2-A

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63318

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	915.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	731.3		mg/Kg		73	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	67	S1-	70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: LCSD 880-63318/3-A

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63318

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	902.3		mg/Kg		90	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			1000	808.4		mg/Kg		81	70 - 130	10	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	76		70 - 130									
o-Terphenyl	84		70 - 130									

Lab Sample ID: 880-33630-15 MS

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 63318

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	997	856.8		mg/Kg		84	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.3	U	997	870.9		mg/Kg		85	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	107		70 - 130									
o-Terphenyl	110		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33630-15 MSD

Matrix: Solid

Analysis Batch: 63276

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 63318

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	<50.3	U	997	899.3		mg/Kg		88	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.3	U	997	867.3		mg/Kg		85	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	108		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63287/1-A

Matrix: Solid

Analysis Batch: 63345

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			09/26/23 17:39	1

Lab Sample ID: LCS 880-63287/2-A

Matrix: Solid

Analysis Batch: 63345

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.1		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-63287/3-A

Matrix: Solid

Analysis Batch: 63345

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	241.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-33627-A-3-B MS

Matrix: Solid

Analysis Batch: 63345

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	106		250	346.4		mg/Kg		96	90 - 110

Lab Sample ID: 880-33627-A-3-C MSD

Matrix: Solid

Analysis Batch: 63345

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	106		250	346.6		mg/Kg		97	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-63313/1-A

Matrix: Solid

Analysis Batch: 63437

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			09/27/23 22:15	1

Lab Sample ID: LCS 880-63313/2-A

Matrix: Solid

Analysis Batch: 63437

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-63313/3-A

Matrix: Solid

Analysis Batch: 63437

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	247.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-33630-22 MS

Matrix: Solid

Analysis Batch: 63437

Client Sample ID: S-8 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	93.2		252	360.4		mg/Kg		106	90 - 110

Lab Sample ID: 880-33630-22 MSD

Matrix: Solid

Analysis Batch: 63437

Client Sample ID: S-8 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	93.2		252	360.6		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-63296/1-A

Matrix: Solid

Analysis Batch: 63464

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			09/28/23 01:51	1

Lab Sample ID: LCS 880-63296/2-A

Matrix: Solid

Analysis Batch: 63464

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-63296/3-A

Matrix: Solid

Analysis Batch: 63464

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	246.7		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-33630-2 MS											Client Sample ID: S-1 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 63464													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	3580		1260	4829		mg/Kg		99	90 - 110				

Lab Sample ID: 880-33630-2 MSD											Client Sample ID: S-1 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 63464													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	3580		1260	4832		mg/Kg		99	90 - 110	0	20		

Lab Sample ID: 880-33630-12 MS											Client Sample ID: S-4 (2')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 63464													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	173		251	419.5		mg/Kg		98	90 - 110				

Lab Sample ID: 880-33630-12 MSD											Client Sample ID: S-4 (2')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 63464													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	173		251	418.3		mg/Kg		98	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 63021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63021/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 63282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	8021B	63286
880-33630-2	S-1 (1.5')	Total/NA	Solid	8021B	63286
880-33630-3	S-1 (2')	Total/NA	Solid	8021B	63286
880-33630-4	S-2 (0-1')	Total/NA	Solid	8021B	63286
880-33630-5	S-2 (1.5')	Total/NA	Solid	8021B	63286
880-33630-6	S-2 (2')	Total/NA	Solid	8021B	63286
880-33630-7	S-3 (0-1')	Total/NA	Solid	8021B	63286
880-33630-8	S-3 (1.5')	Total/NA	Solid	8021B	63286
880-33630-9	S-3 (2')	Total/NA	Solid	8021B	63286
880-33630-10	S-4 (0-1')	Total/NA	Solid	8021B	63286
880-33630-11	S-4 (1.5')	Total/NA	Solid	8021B	63286
880-33630-12	S-4 (2')	Total/NA	Solid	8021B	63286
MB 880-63286/5-A	Method Blank	Total/NA	Solid	8021B	63286
LCS 880-63286/1-A	Lab Control Sample	Total/NA	Solid	8021B	63286
LCSD 880-63286/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63286
880-33623-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	63286
880-33623-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	63286

Analysis Batch: 63283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-13	S-5 (0-1')	Total/NA	Solid	8021B	63314
880-33630-14	S-5 (1.5')	Total/NA	Solid	8021B	63314
880-33630-15	S-5 (2')	Total/NA	Solid	8021B	63314
880-33630-16	S-6 (0-1')	Total/NA	Solid	8021B	63314
880-33630-17	S-6 (1.5')	Total/NA	Solid	8021B	63314
880-33630-18	S-6 (2')	Total/NA	Solid	8021B	63314
880-33630-19	S-7 (0-1')	Total/NA	Solid	8021B	63314
880-33630-20	S-7 (1.5')	Total/NA	Solid	8021B	63314
880-33630-21	S-7 (2')	Total/NA	Solid	8021B	63314
880-33630-22	S-8 (0-1')	Total/NA	Solid	8021B	63314
880-33630-23	S-8 (1.5')	Total/NA	Solid	8021B	63314
880-33630-24	S-8 (2')	Total/NA	Solid	8021B	63314
MB 880-63021/5-A	Method Blank	Total/NA	Solid	8021B	63021
MB 880-63314/5-A	Method Blank	Total/NA	Solid	8021B	63314
LCS 880-63314/1-A	Lab Control Sample	Total/NA	Solid	8021B	63314
LCSD 880-63314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63314
880-33630-13 MS	S-5 (0-1')	Total/NA	Solid	8021B	63314
880-33630-13 MSD	S-5 (0-1')	Total/NA	Solid	8021B	63314

Prep Batch: 63286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	5035	
880-33630-2	S-1 (1.5')	Total/NA	Solid	5035	
880-33630-3	S-1 (2')	Total/NA	Solid	5035	
880-33630-4	S-2 (0-1')	Total/NA	Solid	5035	
880-33630-5	S-2 (1.5')	Total/NA	Solid	5035	
880-33630-6	S-2 (2')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 63286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-7	S-3 (0-1')	Total/NA	Solid	5035	
880-33630-8	S-3 (1.5')	Total/NA	Solid	5035	
880-33630-9	S-3 (2')	Total/NA	Solid	5035	
880-33630-10	S-4 (0-1')	Total/NA	Solid	5035	
880-33630-11	S-4 (1.5')	Total/NA	Solid	5035	
880-33630-12	S-4 (2')	Total/NA	Solid	5035	
MB 880-63286/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63286/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63286/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33623-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-33623-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 63314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-13	S-5 (0-1')	Total/NA	Solid	5035	
880-33630-14	S-5 (1.5')	Total/NA	Solid	5035	
880-33630-15	S-5 (2')	Total/NA	Solid	5035	
880-33630-16	S-6 (0-1')	Total/NA	Solid	5035	
880-33630-17	S-6 (1.5')	Total/NA	Solid	5035	
880-33630-18	S-6 (2')	Total/NA	Solid	5035	
880-33630-19	S-7 (0-1')	Total/NA	Solid	5035	
880-33630-20	S-7 (1.5')	Total/NA	Solid	5035	
880-33630-21	S-7 (2')	Total/NA	Solid	5035	
880-33630-22	S-8 (0-1')	Total/NA	Solid	5035	
880-33630-23	S-8 (1.5')	Total/NA	Solid	5035	
880-33630-24	S-8 (2')	Total/NA	Solid	5035	
MB 880-63314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33630-13 MS	S-5 (0-1')	Total/NA	Solid	5035	
880-33630-13 MSD	S-5 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 63442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-33630-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-6	S-2 (2')	Total/NA	Solid	Total BTEX	
880-33630-7	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-8	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-9	S-3 (2')	Total/NA	Solid	Total BTEX	
880-33630-10	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-11	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-12	S-4 (2')	Total/NA	Solid	Total BTEX	
880-33630-13	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-14	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-15	S-5 (2')	Total/NA	Solid	Total BTEX	
880-33630-16	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-17	S-6 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 63442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-18	S-6 (2')	Total/NA	Solid	Total BTEX	
880-33630-19	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-20	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-21	S-7 (2')	Total/NA	Solid	Total BTEX	
880-33630-22	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-33630-23	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-33630-24	S-8 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 63274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	8015B NM	63285
880-33630-2	S-1 (1.5')	Total/NA	Solid	8015B NM	63285
880-33630-3	S-1 (2')	Total/NA	Solid	8015B NM	63285
880-33630-4	S-2 (0-1')	Total/NA	Solid	8015B NM	63285
880-33630-5	S-2 (1.5')	Total/NA	Solid	8015B NM	63285
880-33630-6	S-2 (2')	Total/NA	Solid	8015B NM	63285
880-33630-7	S-3 (0-1')	Total/NA	Solid	8015B NM	63285
880-33630-8	S-3 (1.5')	Total/NA	Solid	8015B NM	63285
880-33630-9	S-3 (2')	Total/NA	Solid	8015B NM	63285
880-33630-10	S-4 (0-1')	Total/NA	Solid	8015B NM	63285
880-33630-11	S-4 (1.5')	Total/NA	Solid	8015B NM	63285
880-33630-12	S-4 (2')	Total/NA	Solid	8015B NM	63285
880-33630-13	S-5 (0-1')	Total/NA	Solid	8015B NM	63285
880-33630-14	S-5 (1.5')	Total/NA	Solid	8015B NM	63285
MB 880-63285/1-A	Method Blank	Total/NA	Solid	8015B NM	63285
LCS 880-63285/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63285
LCSD 880-63285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63285
880-33629-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	63285
880-33629-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	63285

Analysis Batch: 63276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-15	S-5 (2')	Total/NA	Solid	8015B NM	63318
880-33630-16	S-6 (0-1')	Total/NA	Solid	8015B NM	63318
880-33630-17	S-6 (1.5')	Total/NA	Solid	8015B NM	63318
880-33630-18	S-6 (2')	Total/NA	Solid	8015B NM	63318
880-33630-19	S-7 (0-1')	Total/NA	Solid	8015B NM	63318
880-33630-20	S-7 (1.5')	Total/NA	Solid	8015B NM	63318
880-33630-21	S-7 (2')	Total/NA	Solid	8015B NM	63318
880-33630-22	S-8 (0-1')	Total/NA	Solid	8015B NM	63318
880-33630-23	S-8 (1.5')	Total/NA	Solid	8015B NM	63318
880-33630-24	S-8 (2')	Total/NA	Solid	8015B NM	63318
MB 880-63318/1-A	Method Blank	Total/NA	Solid	8015B NM	63318
LCS 880-63318/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63318
LCSD 880-63318/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63318
880-33630-15 MS	S-5 (2')	Total/NA	Solid	8015B NM	63318
880-33630-15 MSD	S-5 (2')	Total/NA	Solid	8015B NM	63318

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 63285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-33630-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-6	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-33630-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-8	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-9	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-33630-10	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-11	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-12	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-33630-13	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-14	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-63285/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63285/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33629-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-33629-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 63318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-15	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-33630-16	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-17	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-18	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-33630-19	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-20	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-21	S-7 (2')	Total/NA	Solid	8015NM Prep	
880-33630-22	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-33630-23	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-33630-24	S-8 (2')	Total/NA	Solid	8015NM Prep	
MB 880-63318/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63318/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63318/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33630-15 MS	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-33630-15 MSD	S-5 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-33630-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-33630-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-33630-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-33630-5	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-33630-6	S-2 (2')	Total/NA	Solid	8015 NM	
880-33630-7	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-33630-8	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-33630-9	S-3 (2')	Total/NA	Solid	8015 NM	
880-33630-10	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-33630-11	S-4 (1.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-12	S-4 (2')	Total/NA	Solid	8015 NM	
880-33630-13	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-33630-14	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-33630-15	S-5 (2')	Total/NA	Solid	8015 NM	
880-33630-16	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-33630-17	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-33630-18	S-6 (2')	Total/NA	Solid	8015 NM	
880-33630-19	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-33630-20	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-33630-21	S-7 (2')	Total/NA	Solid	8015 NM	
880-33630-22	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-33630-23	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-33630-24	S-8 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Soluble	Solid	DI Leach	
MB 880-63287/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63287/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63287/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33627-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-33627-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 63296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-33630-3	S-1 (2')	Soluble	Solid	DI Leach	
880-33630-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-33630-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-33630-6	S-2 (2')	Soluble	Solid	DI Leach	
880-33630-7	S-3 (0-1')	Soluble	Solid	DI Leach	
880-33630-8	S-3 (1.5')	Soluble	Solid	DI Leach	
880-33630-9	S-3 (2')	Soluble	Solid	DI Leach	
880-33630-10	S-4 (0-1')	Soluble	Solid	DI Leach	
880-33630-11	S-4 (1.5')	Soluble	Solid	DI Leach	
880-33630-12	S-4 (2')	Soluble	Solid	DI Leach	
880-33630-13	S-5 (0-1')	Soluble	Solid	DI Leach	
880-33630-14	S-5 (1.5')	Soluble	Solid	DI Leach	
880-33630-15	S-5 (2')	Soluble	Solid	DI Leach	
880-33630-16	S-6 (0-1')	Soluble	Solid	DI Leach	
880-33630-17	S-6 (1.5')	Soluble	Solid	DI Leach	
880-33630-18	S-6 (2')	Soluble	Solid	DI Leach	
880-33630-19	S-7 (0-1')	Soluble	Solid	DI Leach	
880-33630-20	S-7 (1.5')	Soluble	Solid	DI Leach	
880-33630-21	S-7 (2')	Soluble	Solid	DI Leach	
MB 880-63296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33630-2 MS	S-1 (1.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 63296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-2 MSD	S-1 (1.5')	Soluble	Solid	DI Leach	
880-33630-12 MS	S-4 (2')	Soluble	Solid	DI Leach	
880-33630-12 MSD	S-4 (2')	Soluble	Solid	DI Leach	

Leach Batch: 63313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-22	S-8 (0-1')	Soluble	Solid	DI Leach	
880-33630-23	S-8 (1.5')	Soluble	Solid	DI Leach	
880-33630-24	S-8 (2')	Soluble	Solid	DI Leach	
MB 880-63313/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63313/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63313/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33630-22 MS	S-8 (0-1')	Soluble	Solid	DI Leach	
880-33630-22 MSD	S-8 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 63345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-1	S-1 (0-1')	Soluble	Solid	300.0	63287
MB 880-63287/1-A	Method Blank	Soluble	Solid	300.0	63287
LCS 880-63287/2-A	Lab Control Sample	Soluble	Solid	300.0	63287
LCSD 880-63287/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63287
880-33627-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	63287
880-33627-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	63287

Analysis Batch: 63437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-22	S-8 (0-1')	Soluble	Solid	300.0	63313
880-33630-23	S-8 (1.5')	Soluble	Solid	300.0	63313
880-33630-24	S-8 (2')	Soluble	Solid	300.0	63313
MB 880-63313/1-A	Method Blank	Soluble	Solid	300.0	63313
LCS 880-63313/2-A	Lab Control Sample	Soluble	Solid	300.0	63313
LCSD 880-63313/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63313
880-33630-22 MS	S-8 (0-1')	Soluble	Solid	300.0	63313
880-33630-22 MSD	S-8 (0-1')	Soluble	Solid	300.0	63313

Analysis Batch: 63464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-2	S-1 (1.5')	Soluble	Solid	300.0	63296
880-33630-3	S-1 (2')	Soluble	Solid	300.0	63296
880-33630-4	S-2 (0-1')	Soluble	Solid	300.0	63296
880-33630-5	S-2 (1.5')	Soluble	Solid	300.0	63296
880-33630-6	S-2 (2')	Soluble	Solid	300.0	63296
880-33630-7	S-3 (0-1')	Soluble	Solid	300.0	63296
880-33630-8	S-3 (1.5')	Soluble	Solid	300.0	63296
880-33630-9	S-3 (2')	Soluble	Solid	300.0	63296
880-33630-10	S-4 (0-1')	Soluble	Solid	300.0	63296
880-33630-11	S-4 (1.5')	Soluble	Solid	300.0	63296
880-33630-12	S-4 (2')	Soluble	Solid	300.0	63296
880-33630-13	S-5 (0-1')	Soluble	Solid	300.0	63296
880-33630-14	S-5 (1.5')	Soluble	Solid	300.0	63296
880-33630-15	S-5 (2')	Soluble	Solid	300.0	63296

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 63464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33630-16	S-6 (0-1')	Soluble	Solid	300.0	63296
880-33630-17	S-6 (1.5')	Soluble	Solid	300.0	63296
880-33630-18	S-6 (2')	Soluble	Solid	300.0	63296
880-33630-19	S-7 (0-1')	Soluble	Solid	300.0	63296
880-33630-20	S-7 (1.5')	Soluble	Solid	300.0	63296
880-33630-21	S-7 (2')	Soluble	Solid	300.0	63296
MB 880-63296/1-A	Method Blank	Soluble	Solid	300.0	63296
LCS 880-63296/2-A	Lab Control Sample	Soluble	Solid	300.0	63296
LCSD 880-63296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63296
880-33630-2 MS	S-1 (1.5')	Soluble	Solid	300.0	63296
880-33630-2 MSD	S-1 (1.5')	Soluble	Solid	300.0	63296
880-33630-12 MS	S-4 (2')	Soluble	Solid	300.0	63296
880-33630-12 MSD	S-4 (2')	Soluble	Solid	300.0	63296

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33630-1

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63287	09/26/23 09:32	AG	EET MID
Soluble	Analysis	300.0		5			63345	09/26/23 20:35	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-33630-2

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 02:09	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-33630-3

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 16:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 16:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 14:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 02:26	CH	EET MID

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

Lab Sample ID: 880-33630-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 16:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-33630-4

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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			63401	09/26/23 15:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 15:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 02:32	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-33630-5

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 17:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 16:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 16:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 02:38	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-33630-6

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 16:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		10			63464	09/28/23 02:44	CH	EET MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-33630-7

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 16:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-1')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-7

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	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 03:02	CH	EET MID

Client Sample ID: S-3 (1.5')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 18:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 17:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 03:07	CH	EET MID

Client Sample ID: S-3 (2')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 18:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 17:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 03:13	CH	EET MID

Client Sample ID: S-4 (0-1')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-10

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			4.99 g	5 mL	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 17:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		1			63464	09/28/23 03:19	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-33630-11

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		1			63464	09/28/23 03:25	CH	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-33630-12

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63286	09/26/23 09:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/26/23 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 18:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 18:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		1			63464	09/28/23 03:31	CH	EET MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-33630-13

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/26/23 22:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 22:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 19:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 03:48	CH	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-33630-14

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/26/23 23:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 23:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (1.5')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63401	09/26/23 19:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63285	09/26/23 09:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63274	09/26/23 19:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 03:54	CH	EET MID

Client Sample ID: S-5 (2')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/26/23 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 23:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:11	CH	EET MID

Client Sample ID: S-6 (0-1')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/26/23 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/26/23 23:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:17	CH	EET MID

Client Sample ID: S-6 (1.5')

Date Collected: 09/22/23 00:00

Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 00:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 00:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 12:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-33630-17

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:23	CH	EET MID

Client Sample ID: S-6 (2')

Lab Sample ID: 880-33630-18

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 00:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		10			63464	09/28/23 04:29	CH	EET MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-33630-19

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 01:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 13:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:35	CH	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-33630-20

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 01:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:41	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (2')

Lab Sample ID: 880-33630-21

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 01:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63296	09/26/23 09:35	AG	EET MID
Soluble	Analysis	300.0		5			63464	09/28/23 04:46	CH	EET MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-33630-22

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 02:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 02:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63313	09/27/23 10:04	AG	EET MID
Soluble	Analysis	300.0		1			63437	09/27/23 22:35	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-33630-23

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 03:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 03:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			63401	09/26/23 14:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 14:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63313	09/27/23 10:04	AG	EET MID
Soluble	Analysis	300.0		1			63437	09/27/23 22:55	CH	EET MID

Client Sample ID: S-8 (2')

Lab Sample ID: 880-33630-24

Date Collected: 09/22/23 00:00

Matrix: Solid

Date Received: 09/25/23 16:46

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	63314	09/26/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63283	09/27/23 03:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63442	09/27/23 03:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (2')
Date Collected: 09/22/23 00:00
Date Received: 09/25/23 16:46

Lab Sample ID: 880-33630-24
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			63401	09/26/23 15:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63318	09/26/23 10:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63276	09/26/23 15:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63313	09/27/23 10:04	AG	EET MID
Soluble	Analysis	300.0		1			63437	09/27/23 23:02	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: Queso State CTB

Job ID: 880-33630-1
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

- 1
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Method Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-33630-1
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: Queso State CTB

Job ID: 880-33630-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33630-1	S-1 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-2	S-1 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-3	S-1 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-4	S-2 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-5	S-2 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-6	S-2 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-7	S-3 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-8	S-3 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-9	S-3 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-10	S-4 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-11	S-4 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-12	S-4 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-13	S-5 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-14	S-5 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-15	S-5 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-16	S-6 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-17	S-6 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-18	S-6 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-19	S-7 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-20	S-7 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-21	S-7 (2')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-22	S-8 (0-1')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-23	S-8 (1.5')	Solid	09/22/23 00:00	09/25/23 16:46
880-33630-24	S-8 (2')	Solid	09/22/23 00:00	09/25/23 16:46



W



880-33630 Chain of Custody

Page 1 of 3

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

Work Order Comments	
Program UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name	Queso State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number	2131		☐ Routine ☒ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																None NO DI Water H ₂ O			
Project Location	Lea County New Mexico		Due Date	72 HR																			Cool Cool MeOH Me			
Sampler's Name	JR																						HCL HC HNO ₃ HN			
PO #																							H ₂ SO ₄ H ₂ NaOH Na			
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																H ₃ PO ₄ HP			
Received Intact:	Yes ☒ No ☐	Thermometer ID		510	NaHSO ₄ NABIS																					
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor		-30	Na ₂ S ₂ O NaSO-																					
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading		1.0	Zn Acetate+NaOH Zn																					
Total Containers			Corrected Temperature		0.7																		NaOH+Ascorbic Acid SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
S-1 (0-1')	9/22/2023		X		G	1	X	X	X																	
S-1 (1 5')	9/22/2023		X		G	1	X	X	X																	
S-1 (2')	9/22/2023		X		G	1	X	X	X																	
S-2 (0-1')	9/22/2023		X		G	1	X	X	X																	
S-2 (1 5')	9/22/2023		X		G	1	X	X	X																	
S-2 (2')	9/22/2023		X		G	1	X	X	X																	
S-3 (0-1')	9/22/2023		X		G	1	X	X	X																	
S-3 (1 5')	9/22/2023		X		G	1	X	X	X																	
S-3 (2')	9/22/2023		X		G	1	X	X	X																	
S-4 (0-1')	9/22/2023		X		G	1	X	X	X																	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	9/25/23 1646	<i>[Signature]</i>	

Work Order No: 33430

9/28/2023

Page 2 of 3

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

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

Project Name		Queso State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number		2131		☐ Routine ☒ Rush		Parameters												None NO DI Water H ₂ O			
Project Location		Lea County, New Mexico		Due Date		72 HR												Cool Cool MeOH Me			
Sampler's Name		JR																HCL HC HNO ₃ HN			
PO #																		H ₂ SO ₄ H ₂ NaOH Na			
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No												H ₃ PO ₄ HP	
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			
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	
S-4 (1 5')	9/22/2023		X		G	1	X	X	X									
S-4 (2')	9/22/2023		X		G	1	X	X	X									
S-5 (0-1')	9/22/2023		X		G	1	X	X	X									
S-5 (1 5')	9/22/2023		X		G	1	X	X	X									
S-5 (2')	9/22/2023		X		G	1	X	X	X									
S-6 (0-1')	9/22/2023		X		G	1	X	X	X									
S-6 (1 5')	9/22/2023		X		G	1	X	X	X									
S-6 (2')	9/22/2023		X		G	1	X	X	X									
S-7 (0-1')	9/22/2023		X		G	1	X	X	X									
S-7 (1 5')	9/22/2023		X		G	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com																
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Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		9/25/23 1646					

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Loc: 880
33630

Work Order No: _____

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[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-33630-1

SDG Number: Lea County, New Mexico

Login Number: 33630

List Number: 1

Creator: Rodriguez, Leticia

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

Generated 10/9/2023 2:36:55 PM

JOB DESCRIPTION

Queso State CTB
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-34087-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/9/2023 2:36:55 PM

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

Client: Carmona Resources
Project/Site: Queso State CTB

Laboratory Job ID: 880-34087-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Job ID: 880-34087-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-34087-1**

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 10/6/2023 10:39 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.5') (880-34087-1), CS-2 (2.5') (880-34087-2), CS-3 (2.5') (880-34087-3), CS-4 (2.5') (880-34087-4), CS-5 (2.5') (880-34087-5), CS-6 (2.5') (880-34087-6), CS-7 (2.5') (880-34087-7), CS-8 (2.5') (880-34087-8), CS-9 (2.5') (880-34087-9), CS-10 (2.5') (880-34087-10), SW-1 (2.5') (880-34087-11), SW-2 (2.5') (880-34087-12), SW-3 (2.5') (880-34087-13), SW-4 (2.5') (880-34087-14), SW-5 (2.5') (880-34087-15), SW-6 (2.5') (880-34087-16), SW-7 (2.5') (880-34087-17), SW-8 (2.5') (880-34087-18), SW-9 (2.5') (880-34087-19), SW-10 (2.5') (880-34087-20), SW-11 (2.5') (880-34087-21), SW-12 (2.5') (880-34087-22), SW-13 (2.5') (880-34087-23), SW-14 (2.5') (880-34087-24), SW-15 (2.5') (880-34087-25), SW-16 (2.5') (880-34087-26), SW-17 (2.5') (880-34087-27) and SW-18 (2.5') (880-34087-28).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63930 and analytical batch 880-64080 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-1 (2.5') (880-34087-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-64080 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-64080/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-64080 recovered under the lower control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported. >(CCV 880-64080/64)

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-64139 and analytical batch 880-64180 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-64145 and analytical batch 880-64167 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (2.5') (880-34087-1), CS-2 (2.5') (880-34087-2), CS-3 (2.5') (880-34087-3), CS-4 (2.5') (880-34087-4) and (880-34087-A-1-H MS). Evidence of matrix interference is

Case Narrative

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Job ID: 880-34087-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-64167/20), (CCV 880-64167/31), (CCV 880-64167/5) and (LCS 880-64145/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-7 (2.5') (880-34087-7), CS-8 (2.5') (880-34087-8), CS-9 (2.5') (880-34087-9) and CS-10 (2.5') (880-34087-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (2.5') (880-34087-11), SW-2 (2.5') (880-34087-12), SW-4 (2.5') (880-34087-14), SW-5 (2.5') (880-34087-15), SW-6 (2.5') (880-34087-16), SW-8 (2.5') (880-34087-18), SW-9 (2.5') (880-34087-19) and SW-10 (2.5') (880-34087-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-64145 and analytical batch 880-64167 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-11 (2.5') (880-34087-21) and SW-12 (2.5') (880-34087-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-15 (2.5') (880-34087-25) and SW-16 (2.5') (880-34087-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-64126 and analytical batch 880-64176 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. The associated samples are: CS-1 (2.5') (880-34087-1), (880-34087-A-1-B MS) and (880-34087-A-1-C MSD).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-34087-1

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 00:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 00:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 00:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 00:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 00:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/06/23 13:02	10/07/23 00:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/06/23 13:02	10/07/23 00:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 00:41	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			10/07/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		10/06/23 13:38	10/07/23 10:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		10/06/23 13:38	10/07/23 10:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/06/23 13:38	10/07/23 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	10/06/23 13:38	10/07/23 10:55	1
o-Terphenyl	109		70 - 130	10/06/23 13:38	10/07/23 10:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.7	F1	5.00		mg/Kg			10/07/23 21:37	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-34087-2

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 01:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 01:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 01:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 01:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 01:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/06/23 13:02	10/07/23 01:02	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/06/23 13:02	10/07/23 01:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-34087-2

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/07/23 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/07/23 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 12:00	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 12:00	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/06/23 13:38	10/07/23 12:00	1
o-Terphenyl	110		70 - 130				10/06/23 13:38	10/07/23 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.04		mg/Kg			10/07/23 21:57	1

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-34087-3

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/06/23 13:02	10/07/23 01:22	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/06/23 13:02	10/07/23 01:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/07/23 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-34087-3

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				10/06/23 13:38	10/07/23 12:21	1
o-Terphenyl	123		70 - 130				10/06/23 13:38	10/07/23 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.98		mg/Kg			10/07/23 22:04	1

Client Sample ID: CS-4 (2.5')

Lab Sample ID: 880-34087-4

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/06/23 13:02	10/07/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/06/23 13:02	10/07/23 01:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/06/23 13:02	10/07/23 01:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/07/23 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/07/23 12:42	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	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:42	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				10/06/23 13:38	10/07/23 12:42	1
o-Terphenyl	113		70 - 130				10/06/23 13:38	10/07/23 12:42	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			10/07/23 22:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (2.5')

Lab Sample ID: 880-34087-5

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/06/23 13:02	10/07/23 02:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/06/23 13:02	10/07/23 02:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/06/23 13:02	10/07/23 02:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/06/23 13:02	10/07/23 02:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/06/23 13:02	10/07/23 02:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/06/23 13:02	10/07/23 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/06/23 13:02	10/07/23 02:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/06/23 13:02	10/07/23 02:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/07/23 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 13:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 13:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	10/06/23 13:38	10/07/23 13:03	1
o-Terphenyl	105		70 - 130	10/06/23 13:38	10/07/23 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		5.04		mg/Kg			10/07/23 22:17	1

Client Sample ID: CS-6 (2.5')

Lab Sample ID: 880-34087-6

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 02:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 02:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 02:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 02:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 02:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/06/23 13:02	10/07/23 02:24	1
1,4-Difluorobenzene (Surr)	116		70 - 130	10/06/23 13:02	10/07/23 02:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (2.5')

Lab Sample ID: 880-34087-6

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/23 02:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/23 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				10/06/23 13:38	10/07/23 13:24	1
o-Terphenyl	106		70 - 130				10/06/23 13:38	10/07/23 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		5.05		mg/Kg			10/07/23 22:37	1

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-34087-7

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/06/23 13:02	10/07/23 02:44	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/06/23 13:02	10/07/23 02:44	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			10/07/23 02:44	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			10/07/23 13:45	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	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 13:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-34087-7

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/06/23 13:38	10/07/23 13:45	1
o-Terphenyl	117		70 - 130				10/06/23 13:38	10/07/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.03		mg/Kg			10/07/23 22:44	1

Client Sample ID: CS-8 (2.5')

Lab Sample ID: 880-34087-8

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				10/06/23 13:02	10/07/23 03:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/06/23 13:02	10/07/23 03:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/07/23 14:06	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	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:06	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:06	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/06/23 13:38	10/07/23 14:06	1
o-Terphenyl	117		70 - 130				10/06/23 13:38	10/07/23 14:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.98		mg/Kg			10/07/23 22:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (2.5')

Lab Sample ID: 880-34087-9

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/06/23 13:02	10/07/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/06/23 13:02	10/07/23 03:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/06/23 13:02	10/07/23 03:26	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			10/07/23 03:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/07/23 14:28	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	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:28	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/06/23 13:38	10/07/23 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				10/06/23 13:38	10/07/23 14:28	1
o-Terphenyl	120		70 - 130				10/06/23 13:38	10/07/23 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.96		mg/Kg			10/07/23 22:57	1

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-34087-10

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/06/23 13:02	10/07/23 03:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/06/23 13:02	10/07/23 03:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-34087-10

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/23 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/07/23 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 14:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 14:49	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				10/06/23 13:38	10/07/23 14:49	1
o-Terphenyl	123		70 - 130				10/06/23 13:38	10/07/23 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.5		4.95		mg/Kg			10/07/23 23:03	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-34087-11

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	22	S1-	70 - 130				10/06/23 13:02	10/07/23 05:37	1
1,4-Difluorobenzene (Surr)	119		70 - 130				10/06/23 13:02	10/07/23 05:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 05:37	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			10/07/23 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 15:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-34087-11

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/06/23 13:38	10/07/23 15:32	1
o-Terphenyl	107		70 - 130				10/06/23 13:38	10/07/23 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		5.01		mg/Kg			10/07/23 23:10	1

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-34087-12

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/06/23 13:02	10/07/23 05:57	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/06/23 13:02	10/07/23 05:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/23 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 15:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 15:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				10/06/23 13:38	10/07/23 15:53	1
o-Terphenyl	108		70 - 130				10/06/23 13:38	10/07/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.97		mg/Kg			10/07/23 23:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-34087-13

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/23 13:02	10/07/23 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/06/23 13:02	10/07/23 06:17	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/06/23 13:02	10/07/23 06:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/23 06:17	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			10/07/23 16:14	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	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 16:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/06/23 13:38	10/07/23 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	10/06/23 13:38	10/07/23 16:14	1
o-Terphenyl	102		70 - 130	10/06/23 13:38	10/07/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.99		mg/Kg			10/07/23 23:37	1

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-34087-14

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 06:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 06:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 06:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 06:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 06:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/06/23 13:02	10/07/23 06:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/06/23 13:02	10/07/23 06:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-34087-14

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/07/23 06:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/07/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/06/23 13:38	10/07/23 16:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/06/23 13:38	10/07/23 16:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/06/23 13:38	10/07/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/06/23 13:38	10/07/23 16:36	1
o-Terphenyl	108		70 - 130				10/06/23 13:38	10/07/23 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.99		mg/Kg			10/07/23 23:57	1

Client Sample ID: SW-5 (2.5')

Lab Sample ID: 880-34087-15

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/06/23 13:02	10/07/23 06:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/06/23 13:02	10/07/23 06:58	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/06/23 13:02	10/07/23 06:58	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			10/07/23 06:58	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			10/07/23 16:57	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		10/06/23 13:38	10/07/23 16:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 16:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (2.5')

Lab Sample ID: 880-34087-15

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/06/23 13:38	10/07/23 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				10/06/23 13:38	10/07/23 16:57	1
o-Terphenyl	113		70 - 130				10/06/23 13:38	10/07/23 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.99		mg/Kg			10/08/23 00:03	1

Client Sample ID: SW-6 (2.5')

Lab Sample ID: 880-34087-16

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/06/23 13:02	10/07/23 07:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/06/23 13:02	10/07/23 07:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/06/23 13:02	10/07/23 07:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/07/23 07:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/07/23 17:18	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	<49.6	U	49.6		mg/Kg		10/06/23 13:38	10/07/23 17:18	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/06/23 13:38	10/07/23 17:18	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/06/23 13:38	10/07/23 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				10/06/23 13:38	10/07/23 17:18	1
o-Terphenyl	110		70 - 130				10/06/23 13:38	10/07/23 17:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.02		mg/Kg			10/08/23 00:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-34087-17

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 07:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 07:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 07:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 07:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 07:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/06/23 13:02	10/07/23 07:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130	10/06/23 13:02	10/07/23 07:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 07:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/07/23 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/06/23 13:38	10/07/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/06/23 13:38	10/07/23 17:39	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/06/23 13:38	10/07/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/06/23 13:38	10/07/23 17:39	1
o-Terphenyl	85		70 - 130	10/06/23 13:38	10/07/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		5.04		mg/Kg			10/08/23 00:16	1

Client Sample ID: SW-8 (2.5')

Lab Sample ID: 880-34087-18

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 08:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/06/23 13:02	10/07/23 08:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/06/23 13:02	10/07/23 08:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (2.5')

Lab Sample ID: 880-34087-18

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 08:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/07/23 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/06/23 13:38	10/07/23 18:00	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/06/23 13:38	10/07/23 18:00	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/06/23 13:38	10/07/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				10/06/23 13:38	10/07/23 18:00	1
o-Terphenyl	113		70 - 130				10/06/23 13:38	10/07/23 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		5.00		mg/Kg			10/08/23 00:23	1

Client Sample ID: SW-9 (2.5')

Lab Sample ID: 880-34087-19

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/06/23 13:02	10/07/23 08:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/06/23 13:02	10/07/23 08:20	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/06/23 13:02	10/07/23 08:20	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			10/07/23 08:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/23 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 18:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 18:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (2.5')

Lab Sample ID: 880-34087-19

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/06/23 13:38	10/07/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				10/06/23 13:38	10/07/23 18:21	1
o-Terphenyl	121		70 - 130				10/06/23 13:38	10/07/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		4.99		mg/Kg			10/08/23 00:30	1

Client Sample ID: SW-10 (2.5')

Lab Sample ID: 880-34087-20

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:02	10/07/23 08:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/06/23 13:02	10/07/23 08:40	1
1,4-Difluorobenzene (Surr)	113		70 - 130				10/06/23 13:02	10/07/23 08:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/23 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/07/23 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 18:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 18:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/06/23 13:38	10/07/23 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/06/23 13:38	10/07/23 18:43	1
o-Terphenyl	112		70 - 130				10/06/23 13:38	10/07/23 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.02		mg/Kg			10/08/23 00:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (2.5')

Lab Sample ID: 880-34087-21

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 18:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/06/23 13:00	10/08/23 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 18:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/06/23 13:00	10/08/23 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/06/23 13:00	10/08/23 18:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/06/23 13:00	10/08/23 18:19	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			10/08/23 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/07/23 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/06/23 13:45	10/07/23 13:24	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/06/23 13:45	10/07/23 13:24	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/06/23 13:45	10/07/23 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	10/06/23 13:45	10/07/23 13:24	1
o-Terphenyl	148	S1+	70 - 130	10/06/23 13:45	10/07/23 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.00		mg/Kg			10/08/23 07:41	1

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-34087-22

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 18:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 18:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 18:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 18:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 18:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/06/23 13:00	10/08/23 18:39	1
1,4-Difluorobenzene (Surr)	114		70 - 130	10/06/23 13:00	10/08/23 18:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-34087-22

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/23 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	<50.5	U	50.5		mg/Kg			10/07/23 13:45	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	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 13:45	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 13:45	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				10/06/23 13:45	10/07/23 13:45	1
o-Terphenyl	158	S1+	70 - 130				10/06/23 13:45	10/07/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.00		mg/Kg			10/08/23 07:48	1

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-34087-23

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/06/23 13:00	10/08/23 19:00	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/06/23 13:00	10/08/23 19:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/23 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/06/23 13:45	10/07/23 14:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/06/23 13:45	10/07/23 14:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-34087-23

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/06/23 13:45	10/07/23 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/06/23 13:45	10/07/23 14:06	1
o-Terphenyl	115		70 - 130				10/06/23 13:45	10/07/23 14:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.0		5.04		mg/Kg			10/08/23 07:54	1

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-34087-24

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/23 13:00	10/08/23 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/06/23 13:00	10/08/23 19:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/06/23 13:00	10/08/23 19:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/23 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	<49.7	U	49.7		mg/Kg			10/07/23 14:28	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	<49.7	U	49.7		mg/Kg		10/06/23 13:45	10/07/23 14:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/06/23 13:45	10/07/23 14:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/06/23 13:45	10/07/23 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/06/23 13:45	10/07/23 14:28	1
o-Terphenyl	118		70 - 130				10/06/23 13:45	10/07/23 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.02		mg/Kg			10/08/23 08:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (2.5')

Lab Sample ID: 880-34087-25

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:00	10/08/23 19:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:00	10/08/23 19:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:00	10/08/23 19:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/06/23 13:00	10/08/23 19:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/06/23 13:00	10/08/23 19:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/06/23 13:00	10/08/23 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/06/23 13:00	10/08/23 19:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/06/23 13:00	10/08/23 19:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/23 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			10/07/23 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 14:49	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 14:49	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	10/06/23 13:45	10/07/23 14:49	1
o-Terphenyl	137	S1+	70 - 130	10/06/23 13:45	10/07/23 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.1		4.99		mg/Kg			10/08/23 08:07	1

Client Sample ID: SW-16 (2.5')

Lab Sample ID: 880-34087-26

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 21:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 21:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 21:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/06/23 13:00	10/08/23 21:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 21:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/06/23 13:00	10/08/23 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	10/06/23 13:00	10/08/23 21:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/06/23 13:00	10/08/23 21:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-16 (2.5')

Lab Sample ID: 880-34087-26

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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			10/08/23 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/07/23 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/06/23 13:45	10/07/23 15:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/06/23 13:45	10/07/23 15:32	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/06/23 13:45	10/07/23 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				10/06/23 13:45	10/07/23 15:32	1
o-Terphenyl	131	S1+	70 - 130				10/06/23 13:45	10/07/23 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.04		mg/Kg			10/08/23 03:02	1

Client Sample ID: SW-17 (2.5')

Lab Sample ID: 880-34087-27

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/23 13:00	10/08/23 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/06/23 13:00	10/08/23 21:51	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/06/23 13:00	10/08/23 21:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/23 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/07/23 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 15:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-17 (2.5')

Lab Sample ID: 880-34087-27

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/06/23 13:45	10/07/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/06/23 13:45	10/07/23 15:53	1
o-Terphenyl	114		70 - 130				10/06/23 13:45	10/07/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.02		mg/Kg			10/08/23 03:22	1

Client Sample ID: SW-18 (2.5')

Lab Sample ID: 880-34087-28

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/06/23 13:00	10/08/23 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/06/23 13:00	10/08/23 22:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/06/23 13:00	10/08/23 22:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/08/23 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			10/07/23 16:14	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	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 16:14	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/06/23 13:45	10/07/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/06/23 13:45	10/07/23 16:14	1
o-Terphenyl	115		70 - 130				10/06/23 13:45	10/07/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.99		mg/Kg			10/08/23 03:29	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
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)
880-34086-A-21-B MS	Matrix Spike	104	94
880-34086-A-21-C MSD	Matrix Spike Duplicate	104	95
880-34087-1	CS-1 (2.5')	95	99
880-34087-1 MS	CS-1 (2.5')	92	110
880-34087-1 MSD	CS-1 (2.5')	107	107
880-34087-2	CS-2 (2.5')	103	110
880-34087-3	CS-3 (2.5')	103	108
880-34087-4	CS-4 (2.5')	108	107
880-34087-5	CS-5 (2.5')	116	103
880-34087-6	CS-6 (2.5')	120	116
880-34087-7	CS-7 (2.5')	104	108
880-34087-8	CS-8 (2.5')	115	112
880-34087-9	CS-9 (2.5')	110	109
880-34087-10	CS-10 (2.5')	120	104
880-34087-11	SW-1 (2.5')	22 S1-	119
880-34087-12	SW-2 (2.5')	100	106
880-34087-13	SW-3 (2.5')	96	112
880-34087-14	SW-4 (2.5')	97	104
880-34087-15	SW-5 (2.5')	104	104
880-34087-16	SW-6 (2.5')	103	108
880-34087-17	SW-7 (2.5')	105	113
880-34087-18	SW-8 (2.5')	102	109
880-34087-19	SW-9 (2.5')	101	106
880-34087-20	SW-10 (2.5')	94	113
880-34087-21	SW-11 (2.5')	105	108
880-34087-22	SW-12 (2.5')	100	114
880-34087-23	SW-13 (2.5')	104	112
880-34087-24	SW-14 (2.5')	110	108
880-34087-25	SW-15 (2.5')	101	108
880-34087-26	SW-16 (2.5')	83	98
880-34087-27	SW-17 (2.5')	99	107
880-34087-28	SW-18 (2.5')	100	106
LCS 880-64139/1-A	Lab Control Sample	101	107
LCS 880-64141/1-A	Lab Control Sample	106	106
LCSD 880-64139/2-A	Lab Control Sample Dup	100	109
LCSD 880-64141/2-A	Lab Control Sample Dup	111	111
MB 880-63930/5-A	Method Blank	121	139 S1+
MB 880-64139/5-A	Method Blank	116	151 S1+
MB 880-64141/5-A	Method Blank	114	124

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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)
880-34086-A-21-F MS	Matrix Spike	114	106
880-34086-A-21-G MSD	Matrix Spike Duplicate	97	91
880-34087-1	CS-1 (2.5')	131 S1+	109
880-34087-1 MS	CS-1 (2.5')	136 S1+	101
880-34087-1 MSD	CS-1 (2.5')	129	92
880-34087-2	CS-2 (2.5')	132 S1+	110
880-34087-3	CS-3 (2.5')	143 S1+	123
880-34087-4	CS-4 (2.5')	138 S1+	113
880-34087-5	CS-5 (2.5')	129	105
880-34087-6	CS-6 (2.5')	129	106
880-34087-7	CS-7 (2.5')	144 S1+	117
880-34087-8	CS-8 (2.5')	135 S1+	117
880-34087-9	CS-9 (2.5')	143 S1+	120
880-34087-10	CS-10 (2.5')	145 S1+	123
880-34087-11	SW-1 (2.5')	135 S1+	107
880-34087-12	SW-2 (2.5')	134 S1+	108
880-34087-13	SW-3 (2.5')	127	102
880-34087-14	SW-4 (2.5')	131 S1+	108
880-34087-15	SW-5 (2.5')	138 S1+	113
880-34087-16	SW-6 (2.5')	134 S1+	110
880-34087-17	SW-7 (2.5')	103	85
880-34087-18	SW-8 (2.5')	141 S1+	113
880-34087-19	SW-9 (2.5')	141 S1+	121
880-34087-20	SW-10 (2.5')	133 S1+	112
880-34087-21	SW-11 (2.5')	129	148 S1+
880-34087-22	SW-12 (2.5')	141 S1+	158 S1+
880-34087-23	SW-13 (2.5')	106	115
880-34087-24	SW-14 (2.5')	108	118
880-34087-25	SW-15 (2.5')	129	137 S1+
880-34087-26	SW-16 (2.5')	124	131 S1+
880-34087-27	SW-17 (2.5')	107	114
880-34087-28	SW-18 (2.5')	107	115
LCS 880-64145/2-A	Lab Control Sample	158 S1+	174 S1+
LCS 880-64147/2-A	Lab Control Sample	93	99
LCSD 880-64145/3-A	Lab Control Sample Dup	126	128
LCSD 880-64147/3-A	Lab Control Sample Dup	104	107
MB 880-64145/1-A	Method Blank	160 S1+	143 S1+
MB 880-64147/1-A	Method Blank	70	79

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63930/5-A

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/23 09:29	10/06/23 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/23 09:29	10/06/23 12:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/23 09:29	10/06/23 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/23 09:29	10/06/23 12:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/23 09:29	10/06/23 12:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/23 09:29	10/06/23 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/04/23 09:29	10/06/23 12:13	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130	10/04/23 09:29	10/06/23 12:13	1

Lab Sample ID: MB 880-64139/5-A

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 16:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 16:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 16:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/23 13:00	10/08/23 16:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:00	10/08/23 16:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/23 13:00	10/08/23 16:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/06/23 13:00	10/08/23 16:08	1
1,4-Difluorobenzene (Surr)	151	S1+	70 - 130	10/06/23 13:00	10/08/23 16:08	1

Lab Sample ID: LCS 880-64139/1-A

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1007		mg/Kg		101	70 - 130
Toluene	0.100	0.09530		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08581		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09865		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-64139/2-A

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-64139/2-A

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09820		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.09231		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2066		mg/Kg		103	70 - 130	10	35
o-Xylene	0.100	0.09815		mg/Kg		98	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-34086-A-21-B MS

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.09262		mg/Kg		93	70 - 130
Toluene	<0.00199	U	0.0998	0.09462		mg/Kg		95	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08829		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2068		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1007		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-34086-A-21-C MSD

Matrix: Solid

Analysis Batch: 64180

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08793		mg/Kg		88	70 - 130	5	35
Toluene	<0.00199	U	0.100	0.07960		mg/Kg		79	70 - 130	17	35
Ethylbenzene	<0.00199	U	0.100	0.07134		mg/Kg		71	70 - 130	21	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1675		mg/Kg		83	70 - 130	21	35
o-Xylene	<0.00199	U	0.100	0.08464		mg/Kg		84	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-64141/5-A

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 00:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 00:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/23 13:02	10/07/23 00:12	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-64141/5-A

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/23 13:02	10/07/23 00:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/23 13:02	10/07/23 00:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/06/23 13:02	10/07/23 00:12	1
1,4-Difluorobenzene (Surr)	124		70 - 130	10/06/23 13:02	10/07/23 00:12	1

Lab Sample ID: LCS 880-64141/1-A

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1208		mg/Kg		121	70 - 130
Toluene	0.100	0.09709		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09798		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2123		mg/Kg		106	70 - 130
o-Xylene	0.100	0.09216		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-64141/2-A

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1296		mg/Kg		130	70 - 130	7	35
Toluene	0.100	0.09654		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.1025		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130	9	35
o-Xylene	0.100	0.1089		mg/Kg		109	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-34087-1 MS

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 64141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1135		mg/Kg		114	70 - 130
Toluene	<0.00199	U	0.0998	0.09104		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08324		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	<0.00199	U	0.0998	0.09503		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34087-1 MS

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 64141

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-34087-1 MSD

Matrix: Solid

Analysis Batch: 64080

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 64141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.1160		mg/Kg		117	70 - 130	2	35
Toluene	<0.00199	U	0.0996	0.09212		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0996	0.09291		mg/Kg		93	70 - 130	11	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2086		mg/Kg		105	70 - 130	7	35
o-Xylene	<0.00199	U	0.0996	0.1011		mg/Kg		101	70 - 130	6	35

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

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

Lab Sample ID: MB 880-64145/1-A

Matrix: Solid

Analysis Batch: 64167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/06/23 13:38	10/07/23 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/06/23 13:38	10/07/23 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/06/23 13:38	10/07/23 08:21	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	160	S1+	70 - 130	10/06/23 13:38	10/07/23 08:21	1			
o-Terphenyl	143	S1+	70 - 130	10/06/23 13:38	10/07/23 08:21	1			

Lab Sample ID: LCS 880-64145/2-A

Matrix: Solid

Analysis Batch: 64167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1093		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1143		mg/Kg		114	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	158	S1+	70 - 130
o-Terphenyl	174	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-64145/3-A

Matrix: Solid

Analysis Batch: 64167

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1122		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1129		mg/Kg		113	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: 880-34087-1 MS

Matrix: Solid

Analysis Batch: 64167

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 64145

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 F1	1010	2200	F1	mg/Kg		217	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1010	2295	F1	mg/Kg		228	70 - 130		
Surrogate	%Recovery	MS Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	101		70 - 130								

Lab Sample ID: 880-34087-1 MSD

Matrix: Solid

Analysis Batch: 64167

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 64145

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	1010	2049	F1	mg/Kg		202	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1010	2128	F1	mg/Kg		212	70 - 130	8	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	129		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: MB 880-64147/1-A

Matrix: Solid

Analysis Batch: 64170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/06/23 13:45	10/07/23 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/06/23 13:45	10/07/23 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/06/23 13:45	10/07/23 08:21	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-64147/1-A
Matrix: Solid
Analysis Batch: 64170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 64147

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	10/06/23 13:45	10/07/23 08:21	1
o-Terphenyl	79		70 - 130	10/06/23 13:45	10/07/23 08:21	1

Lab Sample ID: LCS 880-64147/2-A
Matrix: Solid
Analysis Batch: 64170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 64147

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	801.5		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	801.1		mg/Kg		80	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	93		70 - 130			
o-Terphenyl	99		70 - 130			

Lab Sample ID: LCSD 880-64147/3-A
Matrix: Solid
Analysis Batch: 64170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 64147

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	874.4		mg/Kg		87	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)			1000	882.8		mg/Kg		88	70 - 130	10	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	104		70 - 130			
o-Terphenyl	107		70 - 130			

Lab Sample ID: 880-34086-A-21-F MS
Matrix: Solid
Analysis Batch: 64170

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 64147

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1010	883.5		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	56.8		1010	1018		mg/Kg		95	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	114		70 - 130			
o-Terphenyl	106		70 - 130			

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34086-A-21-G MSD

Matrix: Solid

Analysis Batch: 64170

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64147

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	<50.4	U	1010	782.1		mg/Kg		75	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	56.8		1010	887.8		mg/Kg		82	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64126/1-A

Matrix: Solid

Analysis Batch: 64176

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			10/07/23 21:17	1

Lab Sample ID: LCS 880-64126/2-A

Matrix: Solid

Analysis Batch: 64176

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-64126/3-A

Matrix: Solid

Analysis Batch: 64176

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	248.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-34087-1 MS

Matrix: Solid

Analysis Batch: 64176

Client Sample ID: CS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68.7	F1	250	398.1	F1	mg/Kg		132	90 - 110

Lab Sample ID: 880-34087-1 MSD

Matrix: Solid

Analysis Batch: 64176

Client Sample ID: CS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	68.7	F1	250	394.8	F1	mg/Kg		130	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-34087-11 MS

Matrix: Solid

Analysis Batch: 64176

Client Sample ID: SW-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	147		251	389.1		mg/Kg		97	90 - 110

Lab Sample ID: 880-34087-11 MSD

Matrix: Solid

Analysis Batch: 64176

Client Sample ID: SW-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	147		251	387.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-64127/1-A

Matrix: Solid

Analysis Batch: 64177

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			10/08/23 01:10	1

Lab Sample ID: LCS 880-64127/2-A

Matrix: Solid

Analysis Batch: 64177

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-64127/3-A

Matrix: Solid

Analysis Batch: 64177

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	259.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-34087-26 MS

Matrix: Solid

Analysis Batch: 64177

Client Sample ID: SW-16 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	143		251	385.7		mg/Kg		97	90 - 110

Lab Sample ID: 880-34087-26 MSD

Matrix: Solid

Analysis Batch: 64177

Client Sample ID: SW-16 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	143		251	388.6		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-64129/1-A

Matrix: Solid

Analysis Batch: 64178

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			10/08/23 04:49	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-64129/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 64178											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-64129/3-A						Client Sample ID: Lab Control Sample Duplicate					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 64178											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-34086-A-11-B MS						Client Sample ID: Matrix Spike					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 64178											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	105		251	372.5		mg/Kg		107	90 - 110		

Lab Sample ID: 880-34086-A-11-C MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 64178											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	105		251	373.3		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 63930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63930/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 64080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	8021B	64141
880-34087-2	CS-2 (2.5')	Total/NA	Solid	8021B	64141
880-34087-3	CS-3 (2.5')	Total/NA	Solid	8021B	64141
880-34087-4	CS-4 (2.5')	Total/NA	Solid	8021B	64141
880-34087-5	CS-5 (2.5')	Total/NA	Solid	8021B	64141
880-34087-6	CS-6 (2.5')	Total/NA	Solid	8021B	64141
880-34087-7	CS-7 (2.5')	Total/NA	Solid	8021B	64141
880-34087-8	CS-8 (2.5')	Total/NA	Solid	8021B	64141
880-34087-9	CS-9 (2.5')	Total/NA	Solid	8021B	64141
880-34087-10	CS-10 (2.5')	Total/NA	Solid	8021B	64141
880-34087-11	SW-1 (2.5')	Total/NA	Solid	8021B	64141
880-34087-12	SW-2 (2.5')	Total/NA	Solid	8021B	64141
880-34087-13	SW-3 (2.5')	Total/NA	Solid	8021B	64141
880-34087-14	SW-4 (2.5')	Total/NA	Solid	8021B	64141
880-34087-15	SW-5 (2.5')	Total/NA	Solid	8021B	64141
880-34087-16	SW-6 (2.5')	Total/NA	Solid	8021B	64141
880-34087-17	SW-7 (2.5')	Total/NA	Solid	8021B	64141
880-34087-18	SW-8 (2.5')	Total/NA	Solid	8021B	64141
880-34087-19	SW-9 (2.5')	Total/NA	Solid	8021B	64141
880-34087-20	SW-10 (2.5')	Total/NA	Solid	8021B	64141
MB 880-63930/5-A	Method Blank	Total/NA	Solid	8021B	63930
MB 880-64141/5-A	Method Blank	Total/NA	Solid	8021B	64141
LCS 880-64141/1-A	Lab Control Sample	Total/NA	Solid	8021B	64141
LCSD 880-64141/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64141
880-34087-1 MS	CS-1 (2.5')	Total/NA	Solid	8021B	64141
880-34087-1 MSD	CS-1 (2.5')	Total/NA	Solid	8021B	64141

Prep Batch: 64139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Total/NA	Solid	5035	
880-34087-22	SW-12 (2.5')	Total/NA	Solid	5035	
880-34087-23	SW-13 (2.5')	Total/NA	Solid	5035	
880-34087-24	SW-14 (2.5')	Total/NA	Solid	5035	
880-34087-25	SW-15 (2.5')	Total/NA	Solid	5035	
880-34087-26	SW-16 (2.5')	Total/NA	Solid	5035	
880-34087-27	SW-17 (2.5')	Total/NA	Solid	5035	
880-34087-28	SW-18 (2.5')	Total/NA	Solid	5035	
MB 880-64139/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64139/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64139/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34086-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
880-34086-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 64141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-34087-2	CS-2 (2.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 64141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-3	CS-3 (2.5')	Total/NA	Solid	5035	
880-34087-4	CS-4 (2.5')	Total/NA	Solid	5035	
880-34087-5	CS-5 (2.5')	Total/NA	Solid	5035	
880-34087-6	CS-6 (2.5')	Total/NA	Solid	5035	
880-34087-7	CS-7 (2.5')	Total/NA	Solid	5035	
880-34087-8	CS-8 (2.5')	Total/NA	Solid	5035	
880-34087-9	CS-9 (2.5')	Total/NA	Solid	5035	
880-34087-10	CS-10 (2.5')	Total/NA	Solid	5035	
880-34087-11	SW-1 (2.5')	Total/NA	Solid	5035	
880-34087-12	SW-2 (2.5')	Total/NA	Solid	5035	
880-34087-13	SW-3 (2.5')	Total/NA	Solid	5035	
880-34087-14	SW-4 (2.5')	Total/NA	Solid	5035	
880-34087-15	SW-5 (2.5')	Total/NA	Solid	5035	
880-34087-16	SW-6 (2.5')	Total/NA	Solid	5035	
880-34087-17	SW-7 (2.5')	Total/NA	Solid	5035	
880-34087-18	SW-8 (2.5')	Total/NA	Solid	5035	
880-34087-19	SW-9 (2.5')	Total/NA	Solid	5035	
880-34087-20	SW-10 (2.5')	Total/NA	Solid	5035	
MB 880-64141/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64141/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64141/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34087-1 MS	CS-1 (2.5')	Total/NA	Solid	5035	
880-34087-1 MSD	CS-1 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 64180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Total/NA	Solid	8021B	64139
880-34087-22	SW-12 (2.5')	Total/NA	Solid	8021B	64139
880-34087-23	SW-13 (2.5')	Total/NA	Solid	8021B	64139
880-34087-24	SW-14 (2.5')	Total/NA	Solid	8021B	64139
880-34087-25	SW-15 (2.5')	Total/NA	Solid	8021B	64139
880-34087-26	SW-16 (2.5')	Total/NA	Solid	8021B	64139
880-34087-27	SW-17 (2.5')	Total/NA	Solid	8021B	64139
880-34087-28	SW-18 (2.5')	Total/NA	Solid	8021B	64139
MB 880-64139/5-A	Method Blank	Total/NA	Solid	8021B	64139
LCS 880-64139/1-A	Lab Control Sample	Total/NA	Solid	8021B	64139
LCSD 880-64139/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64139
880-34086-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	64139
880-34086-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	64139

Analysis Batch: 64268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-3	CS-3 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-4	CS-4 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-5	CS-5 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-6	CS-6 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-7	CS-7 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-8	CS-8 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-9	CS-9 (2.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 64268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-10	CS-10 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-11	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-12	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-13	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-14	SW-4 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-15	SW-5 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-16	SW-6 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-17	SW-7 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-18	SW-8 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-19	SW-9 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-20	SW-10 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-21	SW-11 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-22	SW-12 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-23	SW-13 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-24	SW-14 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-25	SW-15 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-26	SW-16 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-27	SW-17 (2.5')	Total/NA	Solid	Total BTEX	
880-34087-28	SW-18 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 64145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-4	CS-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-5	CS-5 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-6	CS-6 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-7	CS-7 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-8	CS-8 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-9	CS-9 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-10	CS-10 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-11	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-12	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-13	SW-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-14	SW-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-15	SW-5 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-16	SW-6 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-17	SW-7 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-18	SW-8 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-19	SW-9 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-20	SW-10 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-64145/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64145/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34087-1 MS	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 64147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-22	SW-12 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-23	SW-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-24	SW-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-25	SW-15 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-26	SW-16 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-27	SW-17 (2.5')	Total/NA	Solid	8015NM Prep	
880-34087-28	SW-18 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-64147/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64147/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34086-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34086-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-3	CS-3 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-4	CS-4 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-5	CS-5 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-6	CS-6 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-7	CS-7 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-8	CS-8 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-9	CS-9 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-10	CS-10 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-11	SW-1 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-12	SW-2 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-13	SW-3 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-14	SW-4 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-15	SW-5 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-16	SW-6 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-17	SW-7 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-18	SW-8 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-19	SW-9 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-20	SW-10 (2.5')	Total/NA	Solid	8015B NM	64145
MB 880-64145/1-A	Method Blank	Total/NA	Solid	8015B NM	64145
LCS 880-64145/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64145
LCSD 880-64145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64145
880-34087-1 MS	CS-1 (2.5')	Total/NA	Solid	8015B NM	64145
880-34087-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015B NM	64145

Analysis Batch: 64170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-22	SW-12 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-23	SW-13 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-24	SW-14 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-25	SW-15 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-26	SW-16 (2.5')	Total/NA	Solid	8015B NM	64147
880-34087-27	SW-17 (2.5')	Total/NA	Solid	8015B NM	64147

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 64170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-28	SW-18 (2.5')	Total/NA	Solid	8015B NM	64147
MB 880-64147/1-A	Method Blank	Total/NA	Solid	8015B NM	64147
LCS 880-64147/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64147
LCSD 880-64147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64147
880-34086-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	64147
880-34086-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	64147

Analysis Batch: 64246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-34087-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-34087-3	CS-3 (2.5')	Total/NA	Solid	8015 NM	
880-34087-4	CS-4 (2.5')	Total/NA	Solid	8015 NM	
880-34087-5	CS-5 (2.5')	Total/NA	Solid	8015 NM	
880-34087-6	CS-6 (2.5')	Total/NA	Solid	8015 NM	
880-34087-7	CS-7 (2.5')	Total/NA	Solid	8015 NM	
880-34087-8	CS-8 (2.5')	Total/NA	Solid	8015 NM	
880-34087-9	CS-9 (2.5')	Total/NA	Solid	8015 NM	
880-34087-10	CS-10 (2.5')	Total/NA	Solid	8015 NM	
880-34087-11	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-34087-12	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-34087-13	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-34087-14	SW-4 (2.5')	Total/NA	Solid	8015 NM	
880-34087-15	SW-5 (2.5')	Total/NA	Solid	8015 NM	
880-34087-16	SW-6 (2.5')	Total/NA	Solid	8015 NM	
880-34087-17	SW-7 (2.5')	Total/NA	Solid	8015 NM	
880-34087-18	SW-8 (2.5')	Total/NA	Solid	8015 NM	
880-34087-19	SW-9 (2.5')	Total/NA	Solid	8015 NM	
880-34087-20	SW-10 (2.5')	Total/NA	Solid	8015 NM	
880-34087-21	SW-11 (2.5')	Total/NA	Solid	8015 NM	
880-34087-22	SW-12 (2.5')	Total/NA	Solid	8015 NM	
880-34087-23	SW-13 (2.5')	Total/NA	Solid	8015 NM	
880-34087-24	SW-14 (2.5')	Total/NA	Solid	8015 NM	
880-34087-25	SW-15 (2.5')	Total/NA	Solid	8015 NM	
880-34087-26	SW-16 (2.5')	Total/NA	Solid	8015 NM	
880-34087-27	SW-17 (2.5')	Total/NA	Solid	8015 NM	
880-34087-28	SW-18 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-34087-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-34087-3	CS-3 (2.5')	Soluble	Solid	DI Leach	
880-34087-4	CS-4 (2.5')	Soluble	Solid	DI Leach	
880-34087-5	CS-5 (2.5')	Soluble	Solid	DI Leach	
880-34087-6	CS-6 (2.5')	Soluble	Solid	DI Leach	
880-34087-7	CS-7 (2.5')	Soluble	Solid	DI Leach	
880-34087-8	CS-8 (2.5')	Soluble	Solid	DI Leach	
880-34087-9	CS-9 (2.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 64126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-10	CS-10 (2.5')	Soluble	Solid	DI Leach	
880-34087-11	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-34087-12	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-34087-13	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-34087-14	SW-4 (2.5')	Soluble	Solid	DI Leach	
880-34087-15	SW-5 (2.5')	Soluble	Solid	DI Leach	
880-34087-16	SW-6 (2.5')	Soluble	Solid	DI Leach	
880-34087-17	SW-7 (2.5')	Soluble	Solid	DI Leach	
880-34087-18	SW-8 (2.5')	Soluble	Solid	DI Leach	
880-34087-19	SW-9 (2.5')	Soluble	Solid	DI Leach	
880-34087-20	SW-10 (2.5')	Soluble	Solid	DI Leach	
MB 880-64126/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64126/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64126/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34087-1 MS	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-34087-1 MSD	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-34087-11 MS	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-34087-11 MSD	SW-1 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 64127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-26	SW-16 (2.5')	Soluble	Solid	DI Leach	
880-34087-27	SW-17 (2.5')	Soluble	Solid	DI Leach	
880-34087-28	SW-18 (2.5')	Soluble	Solid	DI Leach	
MB 880-64127/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64127/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64127/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34087-26 MS	SW-16 (2.5')	Soluble	Solid	DI Leach	
880-34087-26 MSD	SW-16 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 64129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Soluble	Solid	DI Leach	
880-34087-22	SW-12 (2.5')	Soluble	Solid	DI Leach	
880-34087-23	SW-13 (2.5')	Soluble	Solid	DI Leach	
880-34087-24	SW-14 (2.5')	Soluble	Solid	DI Leach	
880-34087-25	SW-15 (2.5')	Soluble	Solid	DI Leach	
MB 880-64129/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64129/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64129/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34086-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34086-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 64176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-1	CS-1 (2.5')	Soluble	Solid	300.0	64126
880-34087-2	CS-2 (2.5')	Soluble	Solid	300.0	64126
880-34087-3	CS-3 (2.5')	Soluble	Solid	300.0	64126
880-34087-4	CS-4 (2.5')	Soluble	Solid	300.0	64126
880-34087-5	CS-5 (2.5')	Soluble	Solid	300.0	64126
880-34087-6	CS-6 (2.5')	Soluble	Solid	300.0	64126

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 64176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-7	CS-7 (2.5')	Soluble	Solid	300.0	64126
880-34087-8	CS-8 (2.5')	Soluble	Solid	300.0	64126
880-34087-9	CS-9 (2.5')	Soluble	Solid	300.0	64126
880-34087-10	CS-10 (2.5')	Soluble	Solid	300.0	64126
880-34087-11	SW-1 (2.5')	Soluble	Solid	300.0	64126
880-34087-12	SW-2 (2.5')	Soluble	Solid	300.0	64126
880-34087-13	SW-3 (2.5')	Soluble	Solid	300.0	64126
880-34087-14	SW-4 (2.5')	Soluble	Solid	300.0	64126
880-34087-15	SW-5 (2.5')	Soluble	Solid	300.0	64126
880-34087-16	SW-6 (2.5')	Soluble	Solid	300.0	64126
880-34087-17	SW-7 (2.5')	Soluble	Solid	300.0	64126
880-34087-18	SW-8 (2.5')	Soluble	Solid	300.0	64126
880-34087-19	SW-9 (2.5')	Soluble	Solid	300.0	64126
880-34087-20	SW-10 (2.5')	Soluble	Solid	300.0	64126
MB 880-64126/1-A	Method Blank	Soluble	Solid	300.0	64126
LCS 880-64126/2-A	Lab Control Sample	Soluble	Solid	300.0	64126
LCSD 880-64126/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64126
880-34087-1 MS	CS-1 (2.5')	Soluble	Solid	300.0	64126
880-34087-1 MSD	CS-1 (2.5')	Soluble	Solid	300.0	64126
880-34087-11 MS	SW-1 (2.5')	Soluble	Solid	300.0	64126
880-34087-11 MSD	SW-1 (2.5')	Soluble	Solid	300.0	64126

Analysis Batch: 64177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-26	SW-16 (2.5')	Soluble	Solid	300.0	64127
880-34087-27	SW-17 (2.5')	Soluble	Solid	300.0	64127
880-34087-28	SW-18 (2.5')	Soluble	Solid	300.0	64127
MB 880-64127/1-A	Method Blank	Soluble	Solid	300.0	64127
LCS 880-64127/2-A	Lab Control Sample	Soluble	Solid	300.0	64127
LCSD 880-64127/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64127
880-34087-26 MS	SW-16 (2.5')	Soluble	Solid	300.0	64127
880-34087-26 MSD	SW-16 (2.5')	Soluble	Solid	300.0	64127

Analysis Batch: 64178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34087-21	SW-11 (2.5')	Soluble	Solid	300.0	64129
880-34087-22	SW-12 (2.5')	Soluble	Solid	300.0	64129
880-34087-23	SW-13 (2.5')	Soluble	Solid	300.0	64129
880-34087-24	SW-14 (2.5')	Soluble	Solid	300.0	64129
880-34087-25	SW-15 (2.5')	Soluble	Solid	300.0	64129
MB 880-64129/1-A	Method Blank	Soluble	Solid	300.0	64129
LCS 880-64129/2-A	Lab Control Sample	Soluble	Solid	300.0	64129
LCSD 880-64129/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64129
880-34086-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	64129
880-34086-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	64129

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-34087-1

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 00:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 10:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 21:37	SMC	EET MID

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-34087-2

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 01:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 12:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 21:57	SMC	EET MID

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-34087-3

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 12:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:04	SMC	EET MID

Client Sample ID: CS-4 (2.5')

Lab Sample ID: 880-34087-4

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 01:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 01:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (2.5')

Lab Sample ID: 880-34087-4

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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			64246	10/07/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 12:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:10	SMC	EET MID

Client Sample ID: CS-5 (2.5')

Lab Sample ID: 880-34087-5

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 02:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 13:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:17	SMC	EET MID

Client Sample ID: CS-6 (2.5')

Lab Sample ID: 880-34087-6

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 02:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 13:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 13:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:37	SMC	EET MID

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-34087-7

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 02:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 13:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-34087-7

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:44	SMC	EET MID

Client Sample ID: CS-8 (2.5')

Lab Sample ID: 880-34087-8

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 03:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 03:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 14:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 14:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:50	SMC	EET MID

Client Sample ID: CS-9 (2.5')

Lab Sample ID: 880-34087-9

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 03:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 03:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 14:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 22:57	SMC	EET MID

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-34087-10

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 03:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 23:03	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-34087-11

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 05:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 23:10	SMC	EET MID

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-34087-12

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 05:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 23:30	SMC	EET MID

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-34087-13

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 06:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 23:37	SMC	EET MID

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-34087-14

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 06:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-34087-14

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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			64246	10/07/23 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 16:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/07/23 23:57	SMC	EET MID

Client Sample ID: SW-5 (2.5')

Lab Sample ID: 880-34087-15

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 06:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 06:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:03	SMC	EET MID

Client Sample ID: SW-6 (2.5')

Lab Sample ID: 880-34087-16

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 07:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 07:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 17:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 17:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:10	SMC	EET MID

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-34087-17

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 07:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 07:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (2.5')**Lab Sample ID: 880-34087-17****Date Collected: 10/05/23 00:00****Matrix: Solid****Date Received: 10/06/23 10:39**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:16	SMC	EET MID

Client Sample ID: SW-8 (2.5')**Lab Sample ID: 880-34087-18****Date Collected: 10/05/23 00:00****Matrix: Solid****Date Received: 10/06/23 10:39**

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 08:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 08:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 18:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 18:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:23	SMC	EET MID

Client Sample ID: SW-9 (2.5')**Lab Sample ID: 880-34087-19****Date Collected: 10/05/23 00:00****Matrix: Solid****Date Received: 10/06/23 10:39**

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 08:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 08:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:30	SMC	EET MID

Client Sample ID: SW-10 (2.5')**Lab Sample ID: 880-34087-20****Date Collected: 10/05/23 00:00****Matrix: Solid****Date Received: 10/06/23 10:39**

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	64141	10/06/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64080	10/07/23 08:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/07/23 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 18:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64145	10/06/23 13:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64167	10/07/23 18:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64126	10/06/23 11:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64176	10/08/23 00:36	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (2.5')

Lab Sample ID: 880-34087-21

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 13:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 13:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64129	10/06/23 12:02	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64178	10/08/23 07:41	SMC	EET MID

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-34087-22

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 18:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 13:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64129	10/06/23 12:02	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64178	10/08/23 07:48	SMC	EET MID

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-34087-23

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 19:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 14:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 14:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64129	10/06/23 12:02	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64178	10/08/23 07:54	SMC	EET MID

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-34087-24

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 19:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-34087-24

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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			64246	10/07/23 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 14:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64129	10/06/23 12:02	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64178	10/08/23 08:01	SMC	EET MID

Client Sample ID: SW-15 (2.5')

Lab Sample ID: 880-34087-25

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 19:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 19:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64129	10/06/23 12:02	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64178	10/08/23 08:07	SMC	EET MID

Client Sample ID: SW-16 (2.5')

Lab Sample ID: 880-34087-26

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 21:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 21:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64127	10/06/23 12:00	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64177	10/08/23 03:02	SMC	EET MID

Client Sample ID: SW-17 (2.5')

Lab Sample ID: 880-34087-27

Date Collected: 10/05/23 00:00

Matrix: Solid

Date Received: 10/06/23 10:39

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	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 21:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 21:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 15:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Client Sample ID: SW-17 (2.5')
Date Collected: 10/05/23 00:00
Date Received: 10/06/23 10:39

Lab Sample ID: 880-34087-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	64127	10/06/23 12:00	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64177	10/08/23 03:22	SMC	EET MID

Client Sample ID: SW-18 (2.5')
Date Collected: 10/05/23 00:00
Date Received: 10/06/23 10:39

Lab Sample ID: 880-34087-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	64139	10/06/23 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64180	10/08/23 22:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64268	10/08/23 22:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			64246	10/07/23 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	64147	10/06/23 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64170	10/07/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64127	10/06/23 12:00	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64177	10/08/23 03:29	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
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

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

Method Summary

Client: Carmona Resources
Project/Site: Queso State CTB

Job ID: 880-34087-1
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: Queso State CTB

Job ID: 880-34087-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34087-1	CS-1 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-2	CS-2 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-3	CS-3 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-4	CS-4 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-5	CS-5 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-6	CS-6 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-7	CS-7 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-8	CS-8 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-9	CS-9 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-10	CS-10 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-11	SW-1 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-12	SW-2 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-13	SW-3 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-14	SW-4 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-15	SW-5 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-16	SW-6 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-17	SW-7 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-18	SW-8 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-19	SW-9 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-20	SW-10 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-21	SW-11 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-22	SW-12 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-23	SW-13 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-24	SW-14 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-25	SW-15 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-26	SW-16 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-27	SW-17 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39
880-34087-28	SW-18 (2.5')	Solid	10/05/23 00:00	10/06/23 10:39

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

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Maria Cruz</i>	11-6-25 1539	<i>[Signature]</i>	

Chain of Custody

Work Order No: 34087

10/9/2023

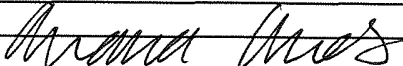
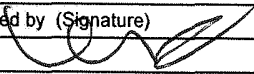
Page 2 of 3

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

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

Project Name		Queso State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number		2131		☐ Routine ☒ Rush																None NO DI Water H ₂ O							
Project Location		Lea County, New Mexico		Due Date		24 HR														Cool Cool MeOH Me							
Sampler's Name		FV																		HCL HC HNO ₃ HN							
PO #																				H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No														H ₃ PO ₄ HP					
Received Intact		Yes No		Thermometer ID																NaHSO ₄ NABIS							
Cooler Custody Seals		Yes No N/A		Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
SW-1 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-2 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-3 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-4 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-5 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-6 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-7 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-8 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-9 (2 5')		10/5/2023				X				Comp		1		X X X													
SW-10 (2 5')		10/5/2023				X				Comp		1		X X X													

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

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		10-10-23 1039					

Chair of Custody

Work Order No: 34087

10/9/2023

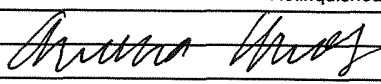
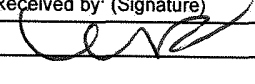
Page 3 of 3

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

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ ITC
State of Project:			
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP
Deliverables EDD	☐ ADaPT	Other	

Project Name		Queso State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number		2131		☐ Routine ☒ Rush		Pres. Code																		None NO DI Water: H ₂ O							
Project Location		Lea County, New Mexico		Due Date		24 HR																		Cool Cool MeOH Me							
Sampler's Name		FV																						HCL. HC HNO ₃ HN							
PO #:																								H ₂ SO ₄ . H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No																		H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																				NaHSO ₄ NABIS							
Cooler Custody Seals		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
SW-11 (2 5')		10/5/2023				X				Comp		1																			
SW-12 (2 5')		10/5/2023				X				Comp		1																			
SW-13 (2 5')		10/5/2023				X				Comp		1																			
SW-14 (2 5')		10/5/2023				X				Comp		1																			
SW-15 (2 5')		10/5/2023				X				Comp		1																			
SW-16 (2 5')		10/5/2023				X				Comp		1																			
SW-17 (2 5')		10/5/2023				X				Comp		1																			
SW-18 (2 5')		10/5/2023				X				Comp		1																			

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

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		10-10-23 1639					

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34087-1

SDG Number: Lea County, New Mexico

Login Number: 34087

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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	

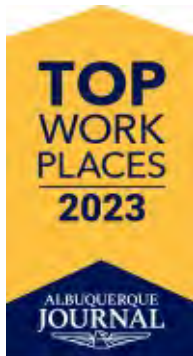
APPENDIX F

CARMONA RESOURCES



From: SLO Spills
Sent: Friday, September 29, 2023 12:47 PM
To: Conner Moehring
Subject: RE: COG - Queso State CTB - Sampling Notification - NAPP2326247449

Received



Environmental Compliance Office
Surface Resources Division
eco@slo.state.nm.us
nmstatelands.org
.....



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From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Friday, September 29, 2023 10:46 AM
To: SLO Spills <spills@slo.state.nm.us>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] COG - Queso State CTB - Sampling Notification - NAPP2326247449

Good Morning,

This email serves as a notification for confirmation sampling for the COG – Queso State CTB (NAPP2326247449). The arch survey has cleared. Attached is the cover page from the arch survey. Sampling is scheduled to begin on Tuesday, October 3rd around 11:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2326247449

Please call if you have any questions.

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS Activity No.: 153841	2a. Lead (Sponsoring) Agency: New Mexico State Land Office	2b. Other Permitting Agency(ies):	3. Lead Agency Report No.: N/A
4. Title of Report: Cultural Resource Survey Report for Conoco Phillips for Proposed Remediation and Clean-Up of the Queso State CTB Release Located within Section 36, Township 23 South, Range 32 East in Lea County, New Mexico Author(s) Michael Stowe, M.A., RPA			5. Type of Report ☒ Negative ☐ Positive
6. Investigation Type ☐ Research Design ☒ Survey/Inventory ☐ Test Excavation ☐ Excavation ☐ Collections/Non-Field Study ☐ Overview/Lit Review ☐ Monitoring ☐ Ethnographic study ☐ Site specific visit ☐ Other			
7. Description of Undertaking (what does the project entail?): Conoco Phillips proposes to conduct clean-up and remediation of the Queso State CTB Release Located within Section 36, Township 23 South, Range 32 East in Lea County, New Mexico. The survey area included the area of release disturbance which measured 60(east/west) by 60 meters (north/ south). In addition, a roughly 15-meter survey buffer was added to the existing survey areas for both locations to total 75 meter by 75 meter survey parcel. The total survey for the location (1.4 acres) has been already repaired and the release has been remediated prior to the survey. It should be noted that a large portion of the project area is located within an existing disturbed roadway as well as existing buried pipelines that run adjacent and atop the release location. Lands surveyed for the project area are administered by the New Mexico State Land Office.		8. Dates of Investigation: (from: 9/14/2023 to: 9/14/2023)	
10. Performing Agency/Consultant: Advanced Archaeological Solutions (ADAS) Principal Investigator: Michael Stowe, M.A., RPA Field Supervisor: Michael Stowe, M.A., RPA Field Personnel Names: Michael Stowe, M.A., RPA, George St. Clair		9. Report Date: September 15, 2023	
		11. Performing Agency/Consultant Report No.: AAS 23-535	
13. Client/Customer (project proponent): Conoco Phillips Address: 1400 Commerce Drive Carlsbad, New Mexico 88221		12. Applicable Cultural Resource Permit No(s): NM State Permit 23-172	
14. Client/Customer Project No.: N/A			
15. Land Ownership Status (<u>Must</u> be indicated on project map):			
Land Owner	Acres Surveyed	Acres in APE	
New Mexico State Land Office	1.4	1.4	
	1.4	1.4	
16. Records Search(es):			
Date(s) of ARMS File Review 9/10/2023	Name of Reviewer(s) M.Stowe		
Date(s) of NR/SR File Review 9/10/2023	Name of Reviewer(s) M.Stowe		
Date(s) of Other Agency File Review	Name of Reviewer(s)	Agency	

NMSLO Seed Mix**Sandy Loam (SL)****SANDY LOAM (SL) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S
Forbs:			
Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F
Total PLS/acre		17.75	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	0.4	100.0%
Totals for Area of Interest		0.4	100.0%

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

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

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

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

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

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

CONDITIONS

Action 282910

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 282910
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/23/2024