



SITE INFORMATION

Closure Report
Gin and Tectonic Federal 5 O South CTB
Lea County, New Mexico
Unit O Sec 05 T24S R32E
32.242111°, -103.695205°

Crude Oil Release
Point of Release: Pump Equipment Failure
Release Date: 10.13.2024
Volume Released: 62 barrels of Crude Oil
Volume Recovered: 59 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
600 West Illinois Avenue
Midland, Texas 79701

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

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February 23, 2025

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

**Re: Closure Report
Gin and Tectonic Federal 5 O South CTB
Concho Operating, LLC
Site Location: Unit O, S05, T24S, R32E
(Lat 32.242111°, Long -103.695205°)
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 activities for Gin and Tectonic Federal 5 O South CTB (10.13.24). The site is located at 32.242111°, -103.695205° within Unit O, S05, T24S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the information obtained from the client, the release was discovered on October 13, 2024, due to a pump equipment failure. It resulted in approximately sixty-two (62) barrels of crude oil being released and fifty-nine (59) barrels of crude oil being recovered. See Figure 3.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location. The closest well is located approximately 0.77 miles North of the site in S05, T24S, R32E and was drilled in 2013. The well has a reported depth to groundwater of 380 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

On December 13, 2024, Carmona Resources personnel was onsite to drill a groundwater determination bore to 105' bgs, which is approximately 0.05 miles Northwest of the release point. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 105' below the surface. The coordinates for the groundwater determination bore are 32.242833 °, -103.695934°. See Appendix D for the driller's log

3.0 Site Characterization and Groundwater

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO+DRO).
- Chloride: 20,000 mg/kg.

4.0 Liner Inspection Activities

Before conducting the liner inspection, a crew was onsite to remove all freestanding fluids. Once the plastic liner was thoroughly cleaned, the NMOCD division office was notified via NMOCD portal on



November 13, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B for the NMOCD correspondence prior to performing the liner inspection. On November 15, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility and determined the liner was intact with no integrity issues. Refer to the Photolog for details.

5.0 Site Assessment Activities

Initial Assessment

On October 25, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and eight (8) horizontal sample points (H-1 through H-8) were installed to total depths ranging from surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to 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 D.

6.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 6, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of six (6) confirmation floor samples were collected (CS-1 through CS-6), and thirteen (13) sidewall samples (SW-1 through SW-13) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Prior to backfilling, the material that was used for backfilled was sampled to ensure it was clean and non-waste-containing material. Refer to Table 2 for the analytical results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 185 cubic yards of material were excavated and transported offsite for proper disposal.

7.0 Conclusions

Based on the liner inspection throughout the facility, assessment results, and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-6823.

Sincerely,

Carmona Resources, LLC

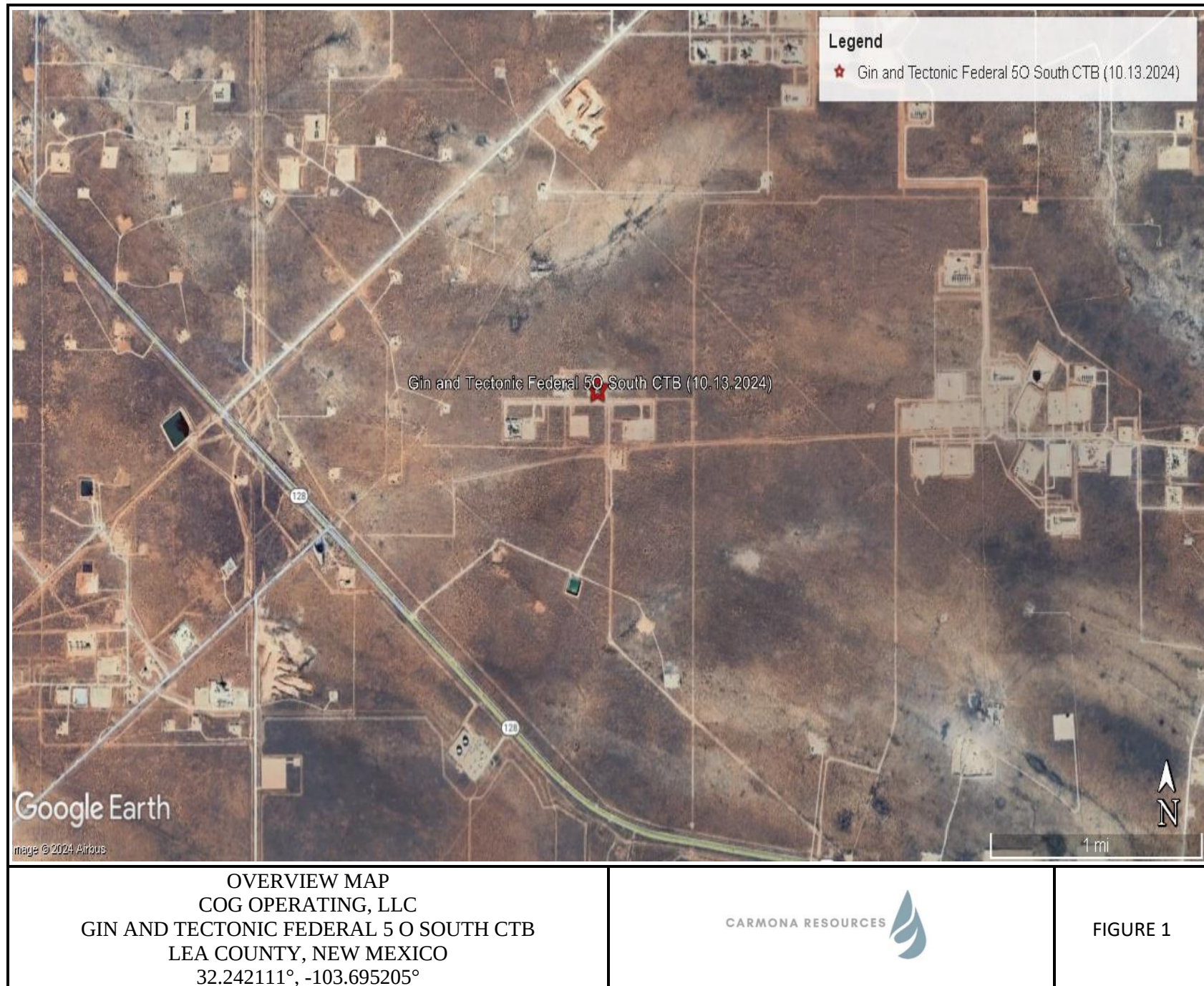
Conner Moehring
Environmental Manager

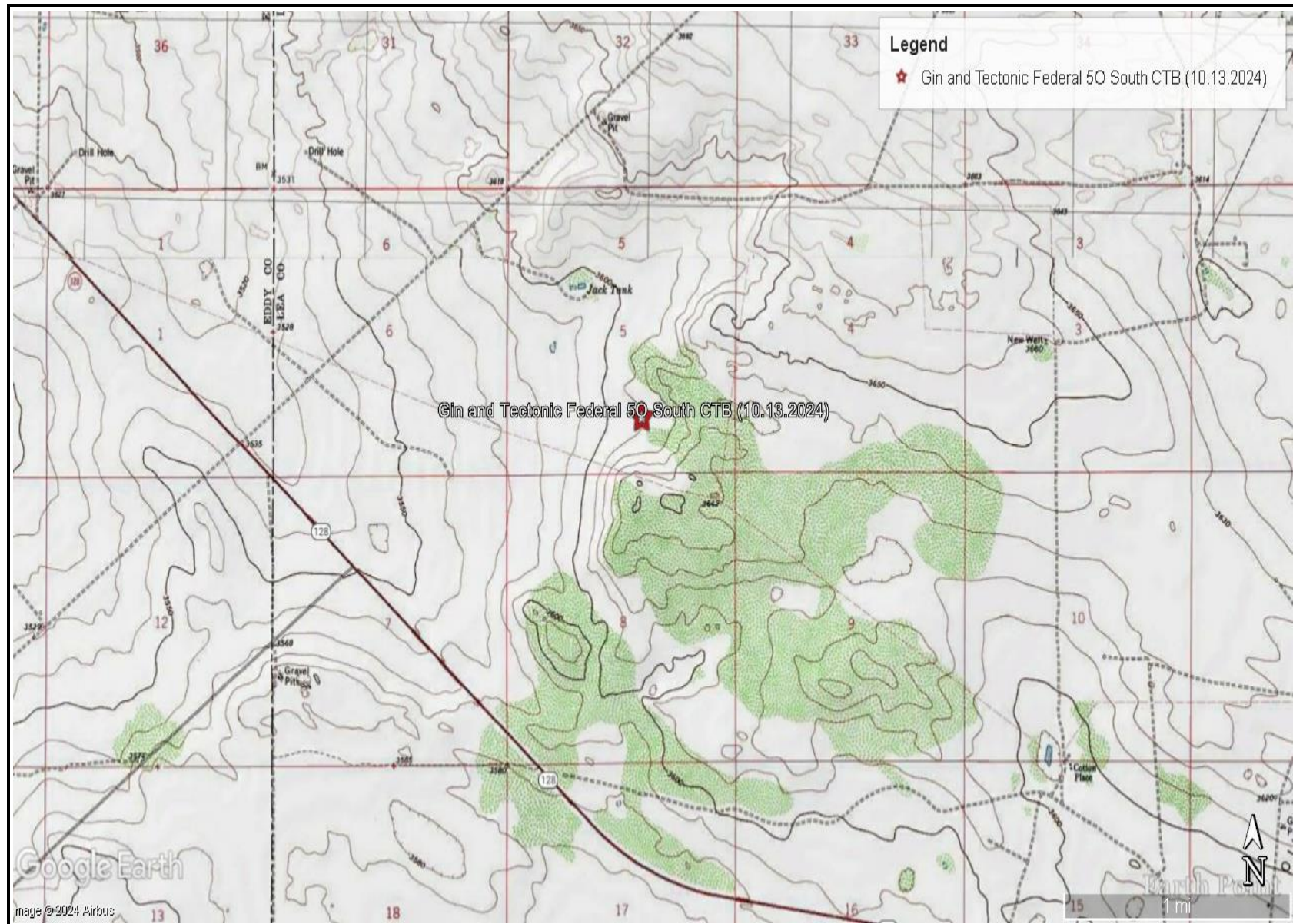
Ivan Ramos
Project Manager

FIGURES

CARMONA RESOURCES



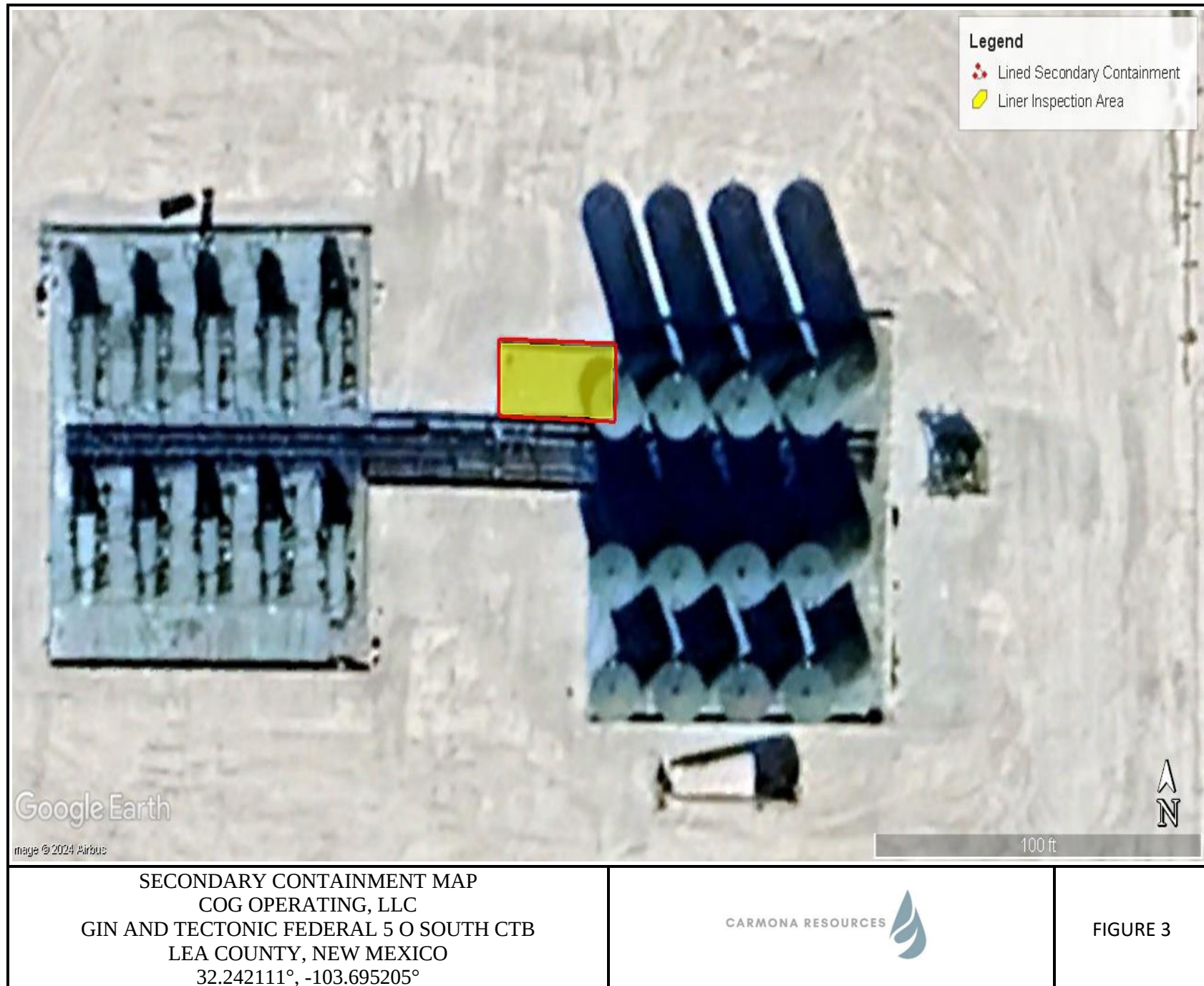




TOPOGRAPHIC MAP
COG OPERATING, LLC
GIN AND TECTONIC FEDERAL 50 SOUTH CTB
LEA COUNTY, NEW MEXICO
32.242111°, -103.695205°



FIGURE 2

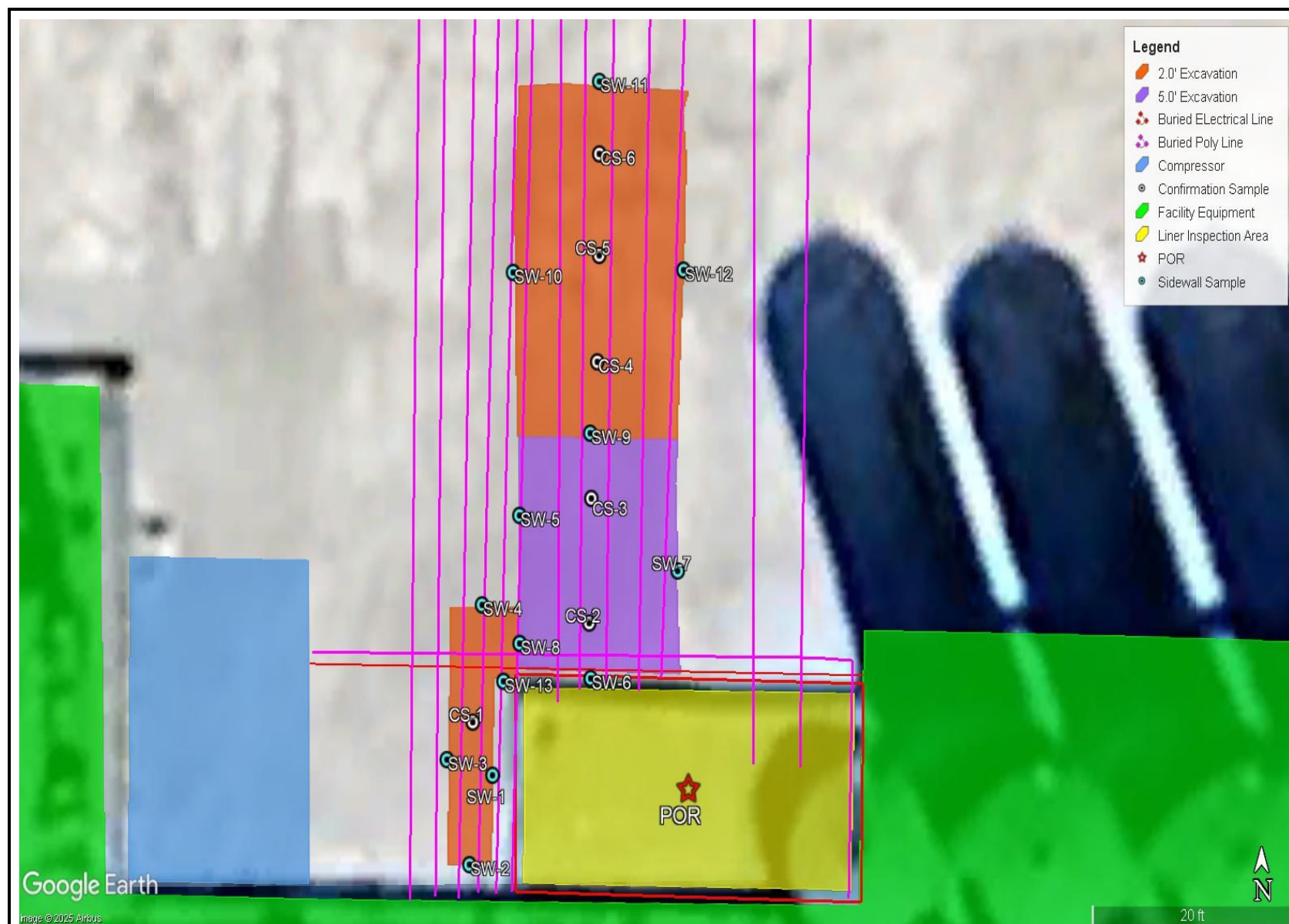




SAMPLE LOCATION MAP
COG OPERATING, LLC
GIN AND TECTONIC FEDERAL 5 O SOUTH CTB
LEA COUNTY, NEW MEXICO
32.242111°, -103.695205°



FIGURE 4



EXCAVATION MAP
 COG OPERATING, LLC
 GIN AND TECTONIC FEDERAL 5 O SOUTH CTB
 LEA COUNTY, NEW MEXICO
 32.242111°, -103.695205°



FIGURE 5

APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating
Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	10/25/2024	0-1'	9,530	9,120	<499	18,700	18.9	175	32.0	315	541	39.7
S-2	10/25/2024	0-1'	12,400	11,700	<498	24,100	19.2	195	29.3	327	570	28.6
	"	1.5'	10,500	11,800	<497	22,300	15.4	156	23.1	319	514	12.0
S-3	10/25/2024	0-1'	7,020	6,740	<49.7	13,800	19.1	131	30.2	220	400	166
	"	1.5'	9,560	12,500	<500	22,100	12.1	116	22.5	246	396	192
	"	2'	10,900	12,100	<499	23,000	21.0	148	25.8	246	441	156
	"	3'	18,400	16,300	<499	34,700	45.5	232	45.9	341	665	132
	"	4	13,300	12,200	<498	25,500	30.5	197	32.9	309	570	80.5
H-1	10/25/2024	0-0.5'	75.4	137	<49.9	212	<0.00200	0.00417	<0.00200	0.0140	0.0182	112
	2/10/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
H-2	10/25/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00227	0.00527	<0.00199	0.0147	0.0223	110
H-3	10/25/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00205	0.00923	0.00313	0.0268	0.0412	106
H-4	10/25/2024	0-0.5'	<49.6	<49.6	<49.6	<49.6	<0.00201	0.00526	0.00218	0.0174	0.0249	73.0
H-5	10/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.0538	0.0549	0.00321	0.0243	0.136	65.1
H-6	10/25/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.163	0.159	0.0113	0.0849	0.418	81.9
H-7	10/25/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.0864	0.0776	0.00422	0.0308	0.199	82.3
H-8	10/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.108	0.0869	0.00350	0.0257	0.224	74.2
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

(H) Horizontal Point

 Removed

Table 2
COG Operating
Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/10/2025	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
CS-2	2/10/2025	5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
CS-3	2/10/2025	5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
CS-4	2/10/2025	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
CS-5	2/10/2025	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
CS-6	2/10/2025	2	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-1	2/10/2025	2	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.96
SW-2	2/10/2025	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
SW-3	2/10/2025	2	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.92
SW-4	2/10/2025	2	<49.8	<49.8	56.6	56.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
SW-5	2/10/2025	5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
SW-6	2/10/2025	5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
SW-7	2/10/2025	5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.96
SW-8	2/10/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-9	2/10/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-10	2/10/2025	2	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
SW-11	2/10/2025	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
SW-12	2/10/2025	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.1
SW-13	2/10/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
Backfill (Lea Land)	2/10/2025	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	228
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

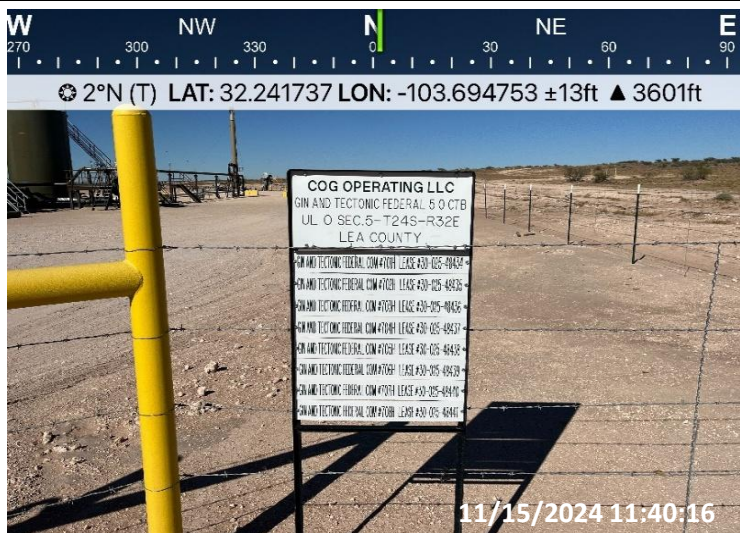
COG Operating, LLC

Photograph No. 1

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:
View North of facility sign.

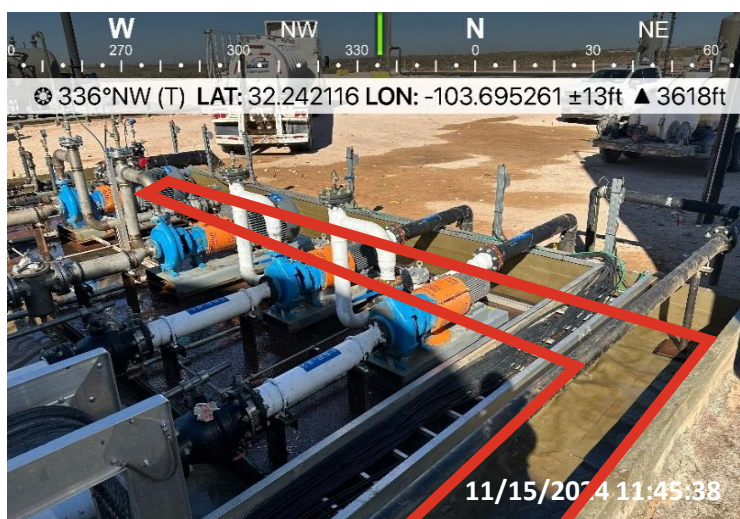


Photograph No. 2

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:
View Northwest of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



Photograph No. 3

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:
View East of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View East of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



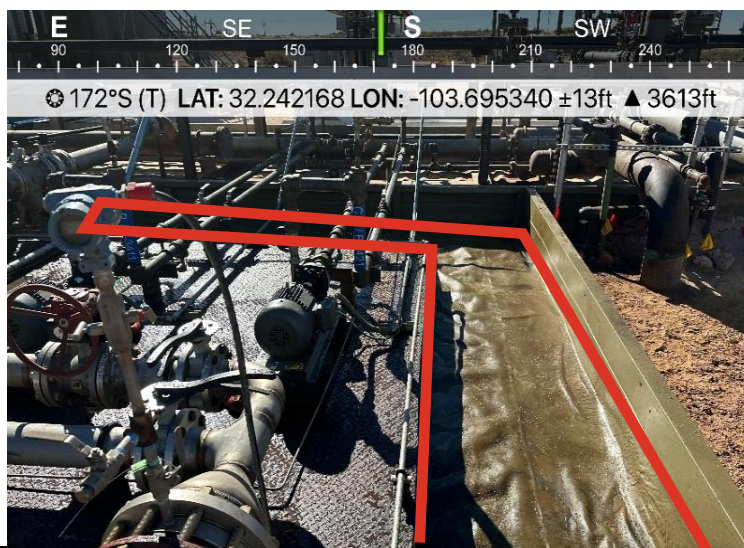
Photograph No. 5

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View South of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



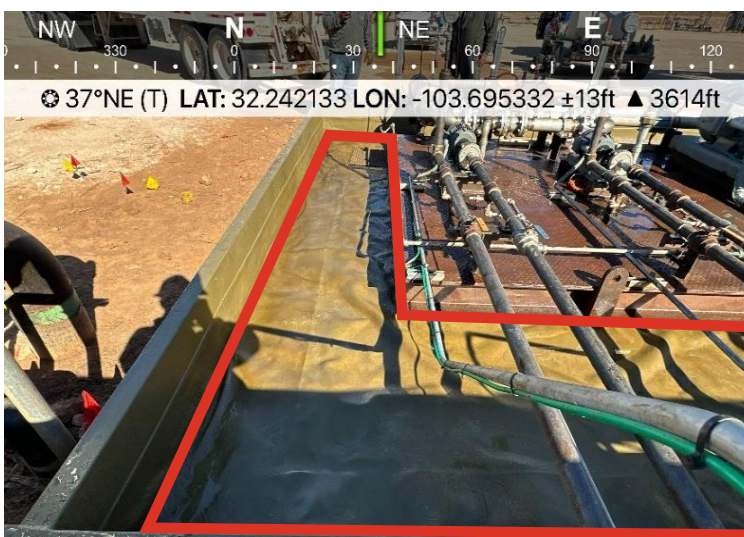
Photograph No. 6

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View Northeast of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 7

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View Southeast of lined secondary containment. Red outline is the area of the liner inspection after the liner was cleaned and all impacted material removed.



Photograph No. 8

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View South, Area of CS-1 through CS-2.



Photograph No. 9

Facility: Gin and Tectonic Federal 5 O
South CTB (10.13.2024)

County: Lea County, New Mexico

Description:

View South, Area of CS-1 through CS-3.



APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS

Action 392567

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 392567
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Gin and Tectonic Federal 5 O South CTB
Date Release Discovered	10/13/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Pump Crude Oil Released: 62 BBL Recovered: 59 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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District III

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

District IV

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 392567

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 392567
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 392567

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 392567
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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 392567

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 392567
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaird	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/14/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 402878

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 402878
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428859784
Incident Name	NAPP2428859784 GIN AND TECTONIC FEDERAL 5 O SOUTH CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2417647408] GIN AND TECTONIC FED 5 O SOUTH CTB

Location of Release Source	
Site Name	Gin and Tectonic Federal 5 O South CTB
Date Release Discovered	10/13/2024
Surface Owner	Federal

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	600
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	11/15/2024
Time liner inspection will commence	11:45 AM
Please provide any information necessary for observers to liner inspection	Conner Moerhring (432) 813-6823
Please provide any information necessary for navigation to liner inspection site	32.2421111, -103.69520556

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 402878

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 402878
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jlaire	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	11/13/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 429207

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 429207
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428859784
Incident Name	NAPP2428859784 GIN AND TECTONIC FEDERAL 5 O SOUTH CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2417647408] GIN AND TECTONIC FED 5 O SOUTH CTB

Location of Release Source	
Site Name	Gin and Tectonic Federal 5 O South CTB
Date Release Discovered	10/13/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,380
What is the estimated number of samples that will be gathered	18
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823
Please provide any information necessary for navigation to sampling site	32.242230, -103.695340

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 429207

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 429207
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlaire	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/6/2025

APPENDIX D

CARMONA RESOURCES



Groundwater Determination Bore Map

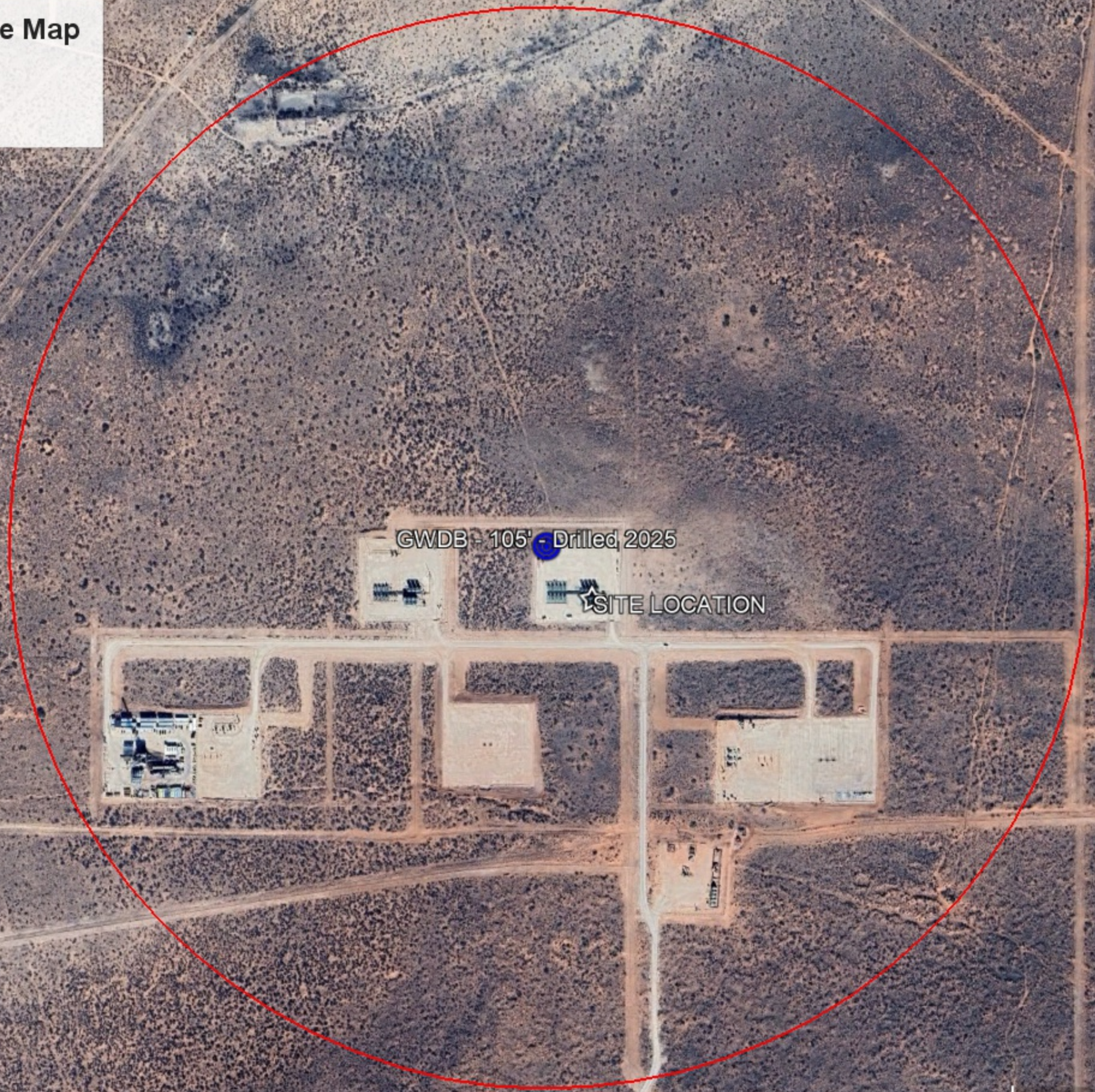
COG Operating
Gln and Tectonic Federal 5 O South CTB
32.242111, -103.695205
Lea County, New Mexico

Legend

 0.50 Mile Radius

 GWDB - 105' - Drilled 2025

 SITE LOCATION





Project Name :	Gin and Tectonic Federal 50 CTB	Date :	Friday, December 13, 2024
Project No. :	2553	Sampler :	Ivan Ramos
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.242833, -103.695934	Method :	Air Rotary
Elevation :	3618 feet		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Tan, moderately cemented, subangular, small to medium caliche nodules with 60% fine, silty soft, loose silty sand. Dry, no odor, organics (SM).		50		(50') - Red, medium stiff, subangular, small to medium claystone nodules with 10% coarse, silty soft, loose clayey sand. Dry, no odor, no organics (CL).	
5		(5') - Reddish brown, moderately cemented, subangular, small to medium caliche nodules with 70% fine, silty soft, loose silty sand. Dry, no odor, organics (SM).		55		(55') - Red, medium stiff, subangular, small to medium claystone nodules with 10% coarse, silty soft, loose clayey sand. Dry, no odor, no organics (CL).	
10		(10') - Tan, moderately cemented, subangular, small caliche nodules with 50% fine, silty soft, very loose sand. Dry, no odor, no organics (SM).		60		(60') - Pale gray, moderately cemented, subangular, small to medium sandstone nodules with 65% fine, silty soft, loose sand. Dry, no odor, no organics (GC).	
15		(15') - Tan, moderately cemented, subangular, small caliche nodules with 50% fine, silty soft, very loose sand. Dry, no odor, no organics (SM).		65		(65') - Red, medium stiff, subrounded, small claystone nodules with 60% fine, silty soft, loose clayey sand. Dry, no odor, no organics (SC).	
20		(20') - Brown, strongly cemented, subrounded, small to medium sandstone nodules with 80% fine, silty soft, very loose sand. Dry, no odor, no organics (ML).		70		(70') - Red, medium stiff, subrounded, small to medium claystone nodules with 5% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (CL).	
25		(25') - Pale red, strongly cemented, subrounded, small to medium sandstone nodules with 80% fine, silty soft, very loose sand. Dry, no odor, no organics (ML).		75		(75') - Red, medium stiff, subrounded, small claystone nodules with 15% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (SC).	
30		(30') - Pale red, medium stiff, subrounded, small claystone nodules with 65% fine, silty soft, loose clayey sand. Dry, no odor, no organics (SC).		80		(80') - Red, medium stiff, subrounded, small claystone nodules with 20% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (SC).	
35		(35') - Brown, medium stiff, subrounded, small claystone nodules with 40% fine, silty soft, loose clayey sand. Dry, no odor, no organics (SC).		85		(85') - Brown, weakly cemented, small to medium, subangular sandstone nodules with 80% fine, silty soft, loose silty sand. Dry, no odor, no organics (GC).	
40		(40') - Pale red, medium stiff, subrounded, small claystone nodules with 40% fine, silty soft, loose clayey sand. Dry, no odor, no organics (SC).		90		(90') - Red, medium stiff, subangular, small to medium claystone nodules with 2% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (CL).	
45		(45') - Pale red, medium stiff, subangular, small to medium claystone nodules with 30% fine, silty soft, loose clayey sand. Dry, no odor, no organics (SC).		95		(95') - Red, medium stiff, subangular, small to medium claystone nodules with 2% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (CL).	
50				105		(105') - Red, medium stiff, subangular, small claystone nodules with 5% coarse, clayey soft, loose clayey sand. Dry, no odor, no organics (CL).	

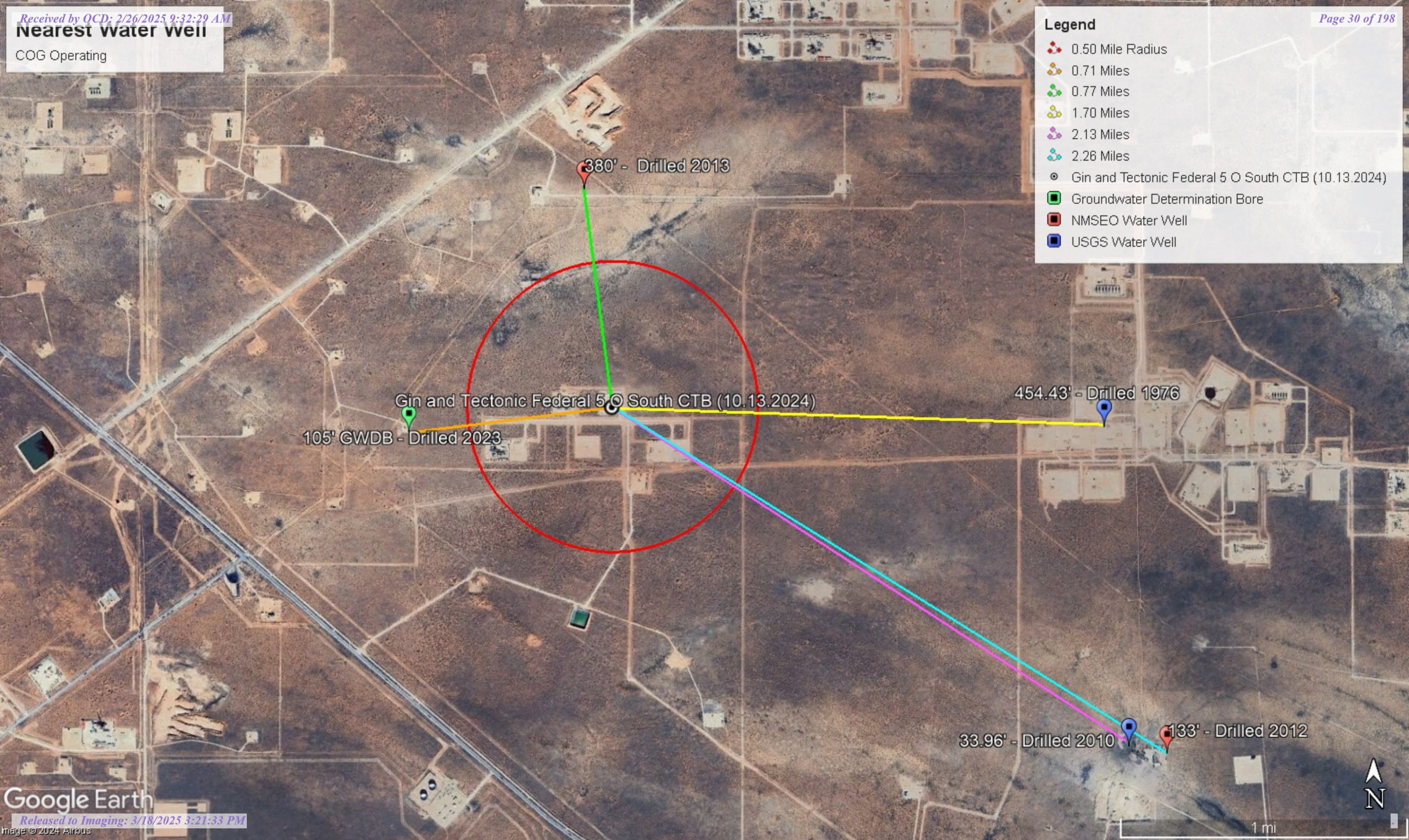
Comments : (12/14/24) Boring terminated at 105' bgs at 11:15 A.M. Mountain Time with no presence of groundwater or moisture.

Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.71 Miles
- 0.77 Miles
- 1.70 Miles
- 2.13 Miles
- 2.26 Miles
- Gin and Tectonic Federal 5 O South CTB (10.13.2024)
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well



1 mi

Low Karst

COG Operating

Legend

-  Gin and Tectonic Federal 5 O South CTB (10.13.2024)
-  High
-  Low
-  Medium

Gin and Tectonic Federal 5 O South CTB (10.13.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04775 POD1		CUB	LE	SE	SE	SE	06	24S	32E	621789.3	3567860.4		1146	105		
C 03555 POD1		C	LE	NE	NE	NW	05	24S	32E	622748.5	3569233.6		1227	600	380	220
C 03530 POD1		C	LE	SW	SE	SW	07	24S	32E	620886.5	3566156.6		2760	550		
C 03527 POD1		C	LE	NW	NE	SW	03	24S	32E	625769.7	3568487.2		2883	500		
C 04712 POD1		CUB	LE	NW	SE	NW	31	23S	32E	620917.2	3570289.2		3030	55		
C 04672 POD 1		CUB	ED	NE	NW	SE	01	24S	31E	619762.2	3568286.5		3173	110		
C 03529 POD1		C	LE	NE	SE	SW	29	23S	32E	622651.2	3571212.5		3204	550		
C 02350		CUB	ED		SE	SW	10	24S	32E	625826.0	3566333.0 *		3355	60		
C 04780 POD1		CUB	LE	NW	SW	NW	34	23S	32E	625363.6	3570521.7		3494	80		
C 03528 POD1		C	LE	NW	NW	NE	15	24S	32E	626040.4	3566129.5		3644	541	133	408
C 04687 POD1		CUB	ED	SE	NE	SW	12	24S	31E	619481.4	3566450.0		3783	110		
C 04746 POD1		CUB	ED	SW	SE	SW	36	23S	31E	619225.7	3569417.8		3954	105		

Average Depth to Water: 256 feet

Minimum Depth: 133 feet

Maximum Depth: 380 feet

Record Count: 12

UTM Filters (in meters):

Easting: 622924.47
Northing: 3568019.20
Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Mesa Verde bed

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4775 POD1		WELL TAG ID NO. NA		OSE FILE NO(S). C04775		
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 205 E. Bender Road # 150				CITY Hobbs	STATE NM	ZIP 88240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 14	SECONDS 26.8944 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -103	42	26.1864 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources	
	DRILLING STARTED 12-14-23		DRILLING ENDED 12-14-23		DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED 12-18-23
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 95'		6"	2" PVC SCH40	Thread	2"	SCH40
	95' 105'		6"	2" PVC SCH40	Thread	2"	SCH40
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	METHOD OF PLACEMENT
				None Pulled and Plugged			

OSE OIT JAN 12 2024 PM 1:53

FOR OSE INTERNAL USE

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

FILE NO. C-4775-POD1	POD NO. 1	TRN NO. 751179
LOCATION Expt 24.32.06.444		WELL TAG ID NO. NA

PAGE 1 OF 2

[illegible]

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	C-4775-70A 1	POD NO.	1
LOCATION		TRN NO.	751179
Fral 2432.06.444		WELL TAG ID NO.	—
		PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 751179
File Nbr: C 04775
Well File Nbr: C 04775 POD1

Jan. 12, 2024

DALE WOODALL
DEVON ENERGY RESOURCES
205 E BENDER ROAD #150
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 09/19/2023.

The Well Record was received in this office on 01/12/2024, stating that it had been completed on 12/14/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/18/2024.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233 
Driller License: 1654		Driller Company:				NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC			
Driller Name:									
Drill Start Date: 10/20/2013		Drill Finish Date:				10/21/2013		Plug Date:	
Log File Date: 11/07/2013		PCW Rcv Date:						Source: Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield: 5 GPM	
Casing Size: 6.00		Depth Well:				600 feet		Depth Water: 380 feet	
Water Bearing Stratifications:					Top	Bottom	Description		
					475	550	Sandstone/Gravel/Conglomerate		
Casing Perforations:					Top	Bottom			
					460	520			

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.

12/17/23 3:21 PM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321428103395801

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

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 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
1976-01-22			D	62610	3196.84	NGVD29	1	Z		
1976-01-22			D	62611	3198.57	NAVD88	1	Z		
1976-01-22			D	72019	454.43		1	Z		

Explanation

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

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

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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: 2023-12-17 17:26:51 EST
0.27 0.24 nadww02

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

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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 =

- 321312103395601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico

Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83

Land-surface elevation 3,589.00 feet above NGVD29

The depth of the well is 60 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1950-04-13			D	62610	3555.36	NGVD29	1		Z	
1950-04-13			D	62611	3557.09	NAVD88	1		Z	
1950-04-13			D	72019	33.64		1		Z	
1955-06-03			D	62610	3557.10	NGVD29	P		Z	
1955-06-03			D	62611	3558.83	NAVD88	P		Z	
1955-06-03			D	72019	31.90		P		Z	
1976-01-22			D	62610	3557.20	NGVD29	1		Z	
1976-01-22			D	62611	3558.93	NAVD88	1		Z	
1976-01-22			D	72019	31.80		1		Z	
1981-03-20			D	62610	3569.07	NGVD29	1		Z	
1981-03-20			D	62611	3570.80	NAVD88	1		Z	
1981-03-20			D	72019	19.93		1		Z	
1986-03-18			D	62610	3551.84	NGVD29	1		Z	
1986-03-18			D	62611	3553.57	NAVD88	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1986-03-18		D	72019	37.16		1	Z
1991-05-29		D	62610		3549.36	NGVD29	1
1991-05-29		D	62611		3551.09	NAVD88	1
1991-05-29		D	72019	39.64		1	Z
1996-03-14		D	62610		3550.80	NGVD29	1
1996-03-14		D	62611		3552.53	NAVD88	1
1996-03-14		D	72019	38.20		1	S
2001-02-27		D	62610		3552.42	NGVD29	1
2001-02-27		D	62611		3554.15	NAVD88	1
2001-02-27		D	72019	36.58		1	S
2006-02-07 16:30 UTC		m	62610		3569.60	NGVD29	1
2006-02-07 16:30 UTC		m	62611		3571.33	NAVD88	1
2006-02-07 16:30 UTC		m	72019	19.40		1	S
2010-12-16 22:30 UTC		m	62610		3555.04	NGVD29	1
2010-12-16 22:30 UTC		m	62611		3556.77	NAVD88	1
2010-12-16 22:30 UTC		m	72019	33.96		1	S

Explanation

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

Questions or Comments

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2023-12-17 17:28:06 EST

0.29 0.24 nadww01

12/17/23, 4:28 PM

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
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New Mexico Office of the State Engineer

Point of Diversion Summary

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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.

12/17/23 3:22 PM

POINT OF DIVERSION SUMMARY

Gin and Tectonic Federal 5 O South CTB (10.13.2024)



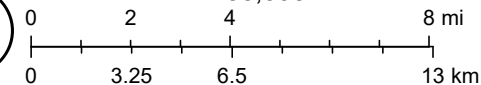
10/18/2024

USA Flood Hazard Areas

World Hillshade

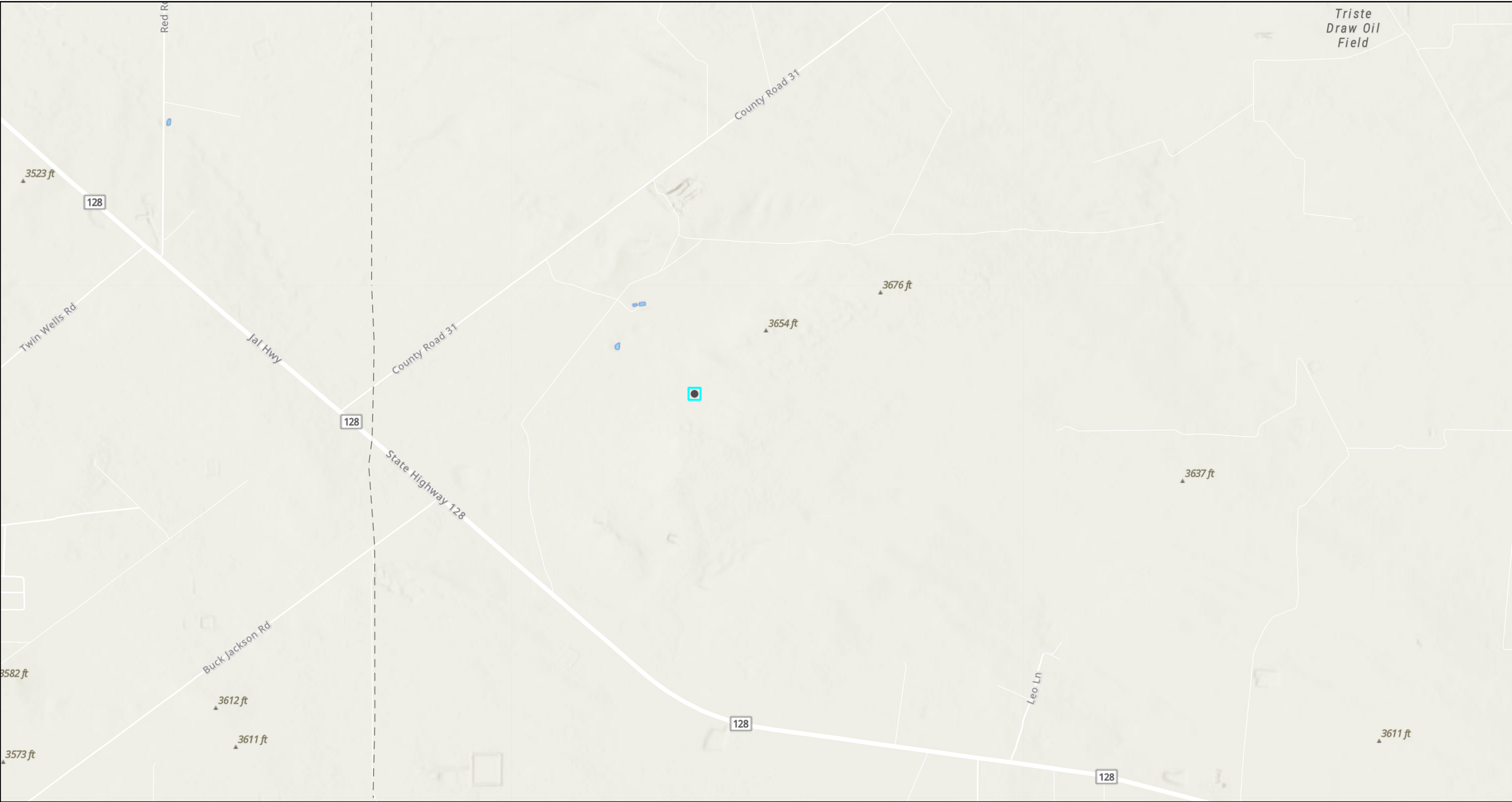
 1% Annual Chance Flood Hazard

1:288,895



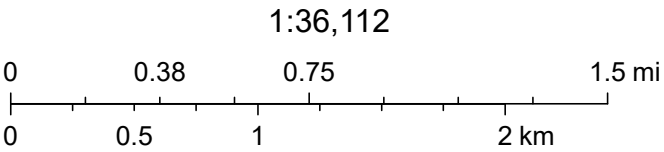
Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/
NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS

Gin and Tectonic Federal 5 O South CTB (10.13.2024)



10/18/2024, 8:35:52 AM

 OSW Water Bodys



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/6/2025 11:53:36 AM

JOB DESCRIPTION

Gin To Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-52712-1

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
1/6/2025 11:53:36 AM

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

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Laboratory Job ID: 880-52712-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1

Job ID: 880-52712-1

Eurofins Midland

Job Narrative
880-52712-1

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

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

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

Receipt

The samples were received on 12/31/2024 10:19 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 -3.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-52712-1), S-1 (1.5') (880-52712-2), S-1 (2') (880-52712-3), S-2 (0-1') (880-52712-4), S-2 (1.5') (880-52712-5), S-2 (2') (880-52712-6), S-3 (0-1') (880-52712-7), S-3 (1.5') (880-52712-8), S-3 (2') (880-52712-9), S-3 (3') (880-52712-10), S-3 (4') (880-52712-11) and S-3 (5') (880-52712-12).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-52712-1). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-99152 and analytical batch 880-99011 was outside the upper control limits.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: S-1 (0-1') (880-52712-1), S-2 (1.5') (880-52712-5), S-3 (3') (880-52712-10) and S-3 (4') (880-52712-11). Elevated reporting limits (RLs) are provided.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-99266 and analytical batch 880-99257 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (1.5') (880-52712-2), S-2 (0-1') (880-52712-4), S-3 (0-1') (880-52712-7), S-3 (1.5') (880-52712-8) and S-3 (2') (880-52712-9). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99174 and analytical batch 880-99296 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: The closing continuing calibration verification (CCVC) associated with batch 880-99296 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (2') (880-52712-6). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-52712-1), S-2 (0-1') (880-52712-4), S-3 (0-1') (880-52712-7), S-3 (1.5') (880-52712-8) and S-3 (2') (880-52712-9). Evidence of matrix

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Case Narrative

Client: Carmona Resources
Project: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1

Job ID: 880-52712-1 (Continued)

Eurofins Midland

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

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-99306/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-99306/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-99306 and analytical batch 880-99405 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCSD and within limits in the associated laboratory control sample (LCS); therefore, the data have been reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99306 and analytical batch 880-99405 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99306 and analytical batch 880-99405 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99194 and analytical batch 880-99198 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: S-1 (0-1') (880-52712-1) and S-1 (1.5') (880-52712-2).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99194 and analytical batch 880-99198 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: S-1 (2') (880-52712-3), S-2 (0-1') (880-52712-4), S-2 (1.5') (880-52712-5), S-2 (2') (880-52712-6), S-3 (0-1') (880-52712-7), S-3 (1.5') (880-52712-8), S-3 (2') (880-52712-9), S-3 (3') (880-52712-10), S-3 (4') (880-52712-11), S-3 (5') (880-52712-12), (880-52712-A-3-D MS) and (880-52712-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52712-1

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.60		1.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500
Toluene	46.8		1.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500
Ethylbenzene	7.23		1.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500
m-Xylene & p-Xylene	82.3		2.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500
o-Xylene	26.0		1.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500
Xylenes, Total	108		2.01		mg/Kg		12/31/24 11:33	12/31/24 15:24	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	12/31/24 11:33	12/31/24 15:24	500
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	12/31/24 11:33	12/31/24 15:24	500

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	166		2.01		mg/Kg			12/31/24 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8360		49.7		mg/Kg			01/02/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3700		49.7		mg/Kg		12/31/24 11:15	01/02/25 19:19	1
Diesel Range Organics (Over C10-C28)	4660		49.7		mg/Kg		12/31/24 11:15	01/02/25 19:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/31/24 11:15	01/02/25 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	12/31/24 11:15	01/02/25 19:19	1
o-Terphenyl	157	S1+	70 - 130	12/31/24 11:15	01/02/25 19:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		10.1		mg/Kg			12/31/24 20:21	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-52712-2

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.84		1.99		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000
Toluene	95.6		1.99		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000
Ethylbenzene	15.9		1.99		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000
m-Xylene & p-Xylene	155		3.98		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000
o-Xylene	38.5		1.99		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000
Xylenes, Total	194		3.98		mg/Kg		01/02/25 08:58	01/02/25 12:32	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	01/02/25 08:58	01/02/25 12:32	1000
1,4-Difluorobenzene (Surr)	91		70 - 130	01/02/25 08:58	01/02/25 12:32	1000

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-52712-2

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	315		3.98		mg/Kg			01/02/25 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6400		49.8		mg/Kg			01/02/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3400		49.8		mg/Kg		12/31/24 11:15	01/02/25 19:34	1
Diesel Range Organics (Over C10-C28)	3000		49.8		mg/Kg		12/31/24 11:15	01/02/25 19:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/31/24 11:15	01/02/25 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/31/24 11:15	01/02/25 19:34	1
o-Terphenyl	124		70 - 130				12/31/24 11:15	01/02/25 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.1		mg/Kg			12/31/24 20:27	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-52712-3

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/31/24 11:33	12/31/24 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/31/24 11:33	12/31/24 17:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/31/24 11:33	12/31/24 17:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/24 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.1		49.9		mg/Kg			01/02/25 19:48	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	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 19:48	1
Diesel Range Organics (Over C10-C28)	62.1		49.9		mg/Kg		12/31/24 11:15	01/02/25 19:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-52712-3

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/31/24 11:15	01/02/25 19:48	1
o-Terphenyl	70		70 - 130				12/31/24 11:15	01/02/25 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U F1	9.98		mg/Kg			12/31/24 20:33	1

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

Lab Sample ID: 880-52712-4

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	16.3		2.00		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
Toluene	136		2.00		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
Ethylbenzene	21.9		2.00		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
m-Xylene & p-Xylene	183		3.99		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
o-Xylene	44.9		2.00		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
Xylenes, Total	228		3.99		mg/Kg		01/02/25 08:58	01/02/25 12:53	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				01/02/25 08:58	01/02/25 12:53	1000
1,4-Difluorobenzene (Surr)	93		70 - 130				01/02/25 08:58	01/02/25 12:53	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	402		3.99		mg/Kg			01/02/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9700		50.0		mg/Kg			01/02/25 20:03	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	4850		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:03	1
Diesel Range Organics (Over C10-C28)	4850		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				12/31/24 11:15	01/02/25 20:03	1
o-Terphenyl	153	S1+	70 - 130				12/31/24 11:15	01/02/25 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		9.92		mg/Kg			12/31/24 20:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-52712-5

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.398	U	0.398		mg/Kg		12/31/24 11:33	12/31/24 19:16	200
Toluene	1.97		0.398		mg/Kg		12/31/24 11:33	12/31/24 19:16	200
Ethylbenzene	<0.398	U	0.398		mg/Kg		12/31/24 11:33	12/31/24 19:16	200
m-Xylene & p-Xylene	6.53		0.797		mg/Kg		12/31/24 11:33	12/31/24 19:16	200
o-Xylene	1.83		0.398		mg/Kg		12/31/24 11:33	12/31/24 19:16	200
Xylenes, Total	8.36		0.797		mg/Kg		12/31/24 11:33	12/31/24 19:16	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/31/24 11:33	12/31/24 19:16	200
1,4-Difluorobenzene (Surr)	75		70 - 130	12/31/24 11:33	12/31/24 19:16	200

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.3		0.797		mg/Kg			12/31/24 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	624		50.0		mg/Kg			01/02/25 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	182		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:19	1
Diesel Range Organics (Over C10-C28)	442		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	12/31/24 11:15	01/02/25 20:19	1
o-Terphenyl	76		70 - 130	12/31/24 11:15	01/02/25 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.0		mg/Kg			12/31/24 20:56	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-52712-6

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/31/24 11:33	12/31/24 17:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/31/24 11:33	12/31/24 17:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/31/24 11:33	12/31/24 17:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/31/24 11:33	12/31/24 17:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/31/24 11:33	12/31/24 17:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/31/24 11:33	12/31/24 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/31/24 11:33	12/31/24 17:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/31/24 11:33	12/31/24 17:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-52712-6

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/24 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 20:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 20:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				12/31/24 11:15	01/02/25 20:33	1
o-Terphenyl	69	S1-	70 - 130				12/31/24 11:15	01/02/25 20:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		9.94		mg/Kg			12/31/24 21:13	1

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

Lab Sample ID: 880-52712-7

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.64		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
Toluene	75.0		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
Ethylbenzene	15.7		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
m-Xylene & p-Xylene	142		4.01		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
o-Xylene	35.9		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
Xylenes, Total	178		4.01		mg/Kg		01/02/25 08:58	01/02/25 13:13	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				01/02/25 08:58	01/02/25 13:13	1000
1,4-Difluorobenzene (Surr)	93		70 - 130				01/02/25 08:58	01/02/25 13:13	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	275		4.01		mg/Kg			01/02/25 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9440		50.0		mg/Kg			01/02/25 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3970		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:50	1
Diesel Range Organics (Over C10-C28)	5470		50.0		mg/Kg		12/31/24 11:15	01/02/25 20:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52712-7

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				12/31/24 11:15	01/02/25 20:50	1
o-Terphenyl	156	S1+	70 - 130				12/31/24 11:15	01/02/25 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.96		mg/Kg			12/31/24 21:18	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-52712-8

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.48		2.02		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
Toluene	92.9		2.02		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
Ethylbenzene	20.1		2.02		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
m-Xylene & p-Xylene	171		4.03		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
o-Xylene	46.9		2.02		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
Xylenes, Total	218		4.03		mg/Kg		01/02/25 08:58	01/02/25 13:33	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				01/02/25 08:58	01/02/25 13:33	1000
1,4-Difluorobenzene (Surr)	97		70 - 130				01/02/25 08:58	01/02/25 13:33	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	339		4.03		mg/Kg			01/02/25 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11000		49.9		mg/Kg			01/02/25 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4640		49.9		mg/Kg		12/31/24 11:15	01/02/25 21:04	1
Diesel Range Organics (Over C10-C28)	6320		49.9		mg/Kg		12/31/24 11:15	01/02/25 21:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/24 11:15	01/02/25 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 130				12/31/24 11:15	01/02/25 21:04	1
o-Terphenyl	176	S1+	70 - 130				12/31/24 11:15	01/02/25 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		10.1		mg/Kg			12/31/24 21:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-52712-9

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.93		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000
Toluene	75.5		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000
Ethylbenzene	14.7		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000
m-Xylene & p-Xylene	145		4.01		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000
o-Xylene	39.8		2.00		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000
Xylenes, Total	185		4.01		mg/Kg		01/02/25 08:58	01/02/25 13:54	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	01/02/25 08:58	01/02/25 13:54	1000
1,4-Difluorobenzene (Surr)	93		70 - 130	01/02/25 08:58	01/02/25 13:54	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	280		4.01		mg/Kg			01/02/25 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10300		50.0		mg/Kg			01/02/25 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4270		50.0		mg/Kg		12/31/24 11:15	01/02/25 21:20	1
Diesel Range Organics (Over C10-C28)	6060		50.0		mg/Kg		12/31/24 11:15	01/02/25 21:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	12/31/24 11:15	01/02/25 21:20	1
o-Terphenyl	173	S1+	70 - 130	12/31/24 11:15	01/02/25 21:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6		10.0		mg/Kg			12/31/24 21:30	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-52712-10

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.400	U	0.400		mg/Kg		12/31/24 11:33	12/31/24 20:17	200
Toluene	0.958		0.400		mg/Kg		12/31/24 11:33	12/31/24 20:17	200
Ethylbenzene	<0.400	U	0.400		mg/Kg		12/31/24 11:33	12/31/24 20:17	200
m-Xylene & p-Xylene	3.50		0.800		mg/Kg		12/31/24 11:33	12/31/24 20:17	200
o-Xylene	1.97		0.400		mg/Kg		12/31/24 11:33	12/31/24 20:17	200
Xylenes, Total	5.47		0.800		mg/Kg		12/31/24 11:33	12/31/24 20:17	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/31/24 11:33	12/31/24 20:17	200
1,4-Difluorobenzene (Surr)	82		70 - 130	12/31/24 11:33	12/31/24 20:17	200

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (3')

Lab Sample ID: 880-52712-10

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.43		0.800		mg/Kg			12/31/24 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1270		49.9		mg/Kg			01/03/25 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	246	++	49.9		mg/Kg		01/02/25 11:47	01/03/25 13:45	1
Diesel Range Organics (Over C10-C28)	1020	++	49.9		mg/Kg		01/02/25 11:47	01/03/25 13:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/02/25 11:47	01/03/25 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				01/02/25 11:47	01/03/25 13:45	1
o-Terphenyl	116		70 - 130				01/02/25 11:47	01/03/25 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.98		mg/Kg			12/31/24 21:35	1

Client Sample ID: S-3 (4')

Lab Sample ID: 880-52712-11

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.402	U	0.402		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
Toluene	<0.402	U	0.402		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
Ethylbenzene	<0.402	U	0.402		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
m-Xylene & p-Xylene	1.53		0.805		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
o-Xylene	0.613		0.402		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
Xylenes, Total	2.14		0.805		mg/Kg		12/31/24 11:33	12/31/24 20:38	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/31/24 11:33	12/31/24 20:38	200
1,4-Difluorobenzene (Surr)	84		70 - 130				12/31/24 11:33	12/31/24 20:38	200

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.14		0.805		mg/Kg			12/31/24 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1370		49.7		mg/Kg			01/03/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	238	++	49.7		mg/Kg		01/02/25 11:47	01/03/25 15:41	1
Diesel Range Organics (Over C10-C28)	1130	++	49.7		mg/Kg		01/02/25 11:47	01/03/25 15:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (4')

Date Collected: 12/26/24 00:00

Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/02/25 11:47	01/03/25 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				01/02/25 11:47	01/03/25 15:41	1
o-Terphenyl	107		70 - 130				01/02/25 11:47	01/03/25 15:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.0		10.0		mg/Kg			12/31/24 21:41	1

Client Sample ID: S-3 (5')

Date Collected: 12/26/24 00:00

Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/31/24 11:33	12/31/24 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/31/24 11:33	12/31/24 18:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/31/24 11:33	12/31/24 18:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/24 18:15	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			01/02/25 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 22:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 22:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				12/31/24 11:15	01/02/25 22:19	1
o-Terphenyl	72		70 - 130				12/31/24 11:15	01/02/25 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		10.0		mg/Kg			12/31/24 21:46	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
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)
880-52689-A-1-G MS	Matrix Spike	116	92
880-52689-A-1-H MSD	Matrix Spike Duplicate	118	93
880-52712-1	S-1 (0-1')	87	65 S1-
880-52712-2	S-1 (1.5')	136 S1+	91
880-52712-3	S-1 (2')	88	91
880-52712-4	S-2 (0-1')	135 S1+	93
880-52712-5	S-2 (1.5')	93	75
880-52712-6	S-2 (2')	106	92
880-52712-7	S-3 (0-1')	136 S1+	93
880-52712-8	S-3 (1.5')	139 S1+	97
880-52712-9	S-3 (2')	141 S1+	93
880-52712-10	S-3 (3')	97	82
880-52712-11	S-3 (4')	99	84
880-52712-12	S-3 (5')	118	101
890-7525-A-1-A MS	Matrix Spike	106	98
890-7525-A-1-B MSD	Matrix Spike Duplicate	109	100
LCS 880-99152/1-A	Lab Control Sample	118	96
LCS 880-99266/1-A	Lab Control Sample	107	100
LCSD 880-99152/2-A	Lab Control Sample Dup	119	99
LCSD 880-99266/2-A	Lab Control Sample Dup	107	100
MB 880-99152/5-A	Method Blank	259 S1+	133 S1+
MB 880-99266/5-A	Method Blank	101	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52709-A-1-B MS	Matrix Spike	90	81
880-52709-A-1-C MSD	Matrix Spike Duplicate	93	84
880-52712-1	S-1 (0-1')	139 S1+	157 S1+
880-52712-2	S-1 (1.5')	122	124
880-52712-3	S-1 (2')	72	70
880-52712-4	S-2 (0-1')	150 S1+	153 S1+
880-52712-5	S-2 (1.5')	77	76
880-52712-6	S-2 (2')	70	69 S1-
880-52712-7	S-3 (0-1')	154 S1+	156 S1+
880-52712-8	S-3 (1.5')	178 S1+	176 S1+
880-52712-9	S-3 (2')	164 S1+	173 S1+
880-52712-10	S-3 (3')	111	116
880-52712-11	S-3 (4')	101	107
880-52712-12	S-3 (5')	73	72
890-7524-A-1-C MS	Matrix Spike	95	90
890-7524-A-1-D MSD	Matrix Spike Duplicate	96	88
LCS 880-99174/2-A	Lab Control Sample	102	94

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-52712-1

Project/Site: Gin To Tectonic Federal 50 CTB

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)
LCS 880-99306/2-A	Lab Control Sample	142 S1+	126
LCSD 880-99174/3-A	Lab Control Sample Dup	106	98
LCSD 880-99306/3-A	Lab Control Sample Dup	161 S1+	147 S1+
MB 880-99174/1-A	Method Blank	79	78
MB 880-99306/1-A	Method Blank	102	100
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-99152/5-A

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/24 09:17	12/31/24 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/24 09:17	12/31/24 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/24 09:17	12/31/24 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/31/24 09:17	12/31/24 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/24 09:17	12/31/24 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/31/24 09:17	12/31/24 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	259	S1+	70 - 130	12/31/24 09:17	12/31/24 12:12	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	12/31/24 09:17	12/31/24 12:12	1

Lab Sample ID: LCS 880-99152/1-A

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09165		mg/Kg		92	70 - 130
Toluene	0.100	0.09358		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08654		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.2084		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-99152/2-A

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99152

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08401		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.08119		mg/Kg		81	70 - 130	14	35
Ethylbenzene	0.100	0.07105		mg/Kg		71	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130	15	35
o-Xylene	0.100	0.09830		mg/Kg		98	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-52689-A-1-G MS

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09353		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09284		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52689-A-1-G MS

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08339		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2111		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1151		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-52689-A-1-H MSD

Matrix: Solid

Analysis Batch: 99011

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1092		mg/Kg		109	70 - 130	15	35
Toluene	<0.00200	U	0.100	0.1006		mg/Kg		101	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.1058		mg/Kg		106	70 - 130	24	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2363		mg/Kg		118	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.1218		mg/Kg		122	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-99266/5-A

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/25 08:58	01/02/25 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 08:58	01/02/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 08:58	01/02/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/25 08:58	01/02/25 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 08:58	01/02/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/25 08:58	01/02/25 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/02/25 08:58	01/02/25 11:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/02/25 08:58	01/02/25 11:30	1

Lab Sample ID: LCS 880-99266/1-A

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09641		mg/Kg		96	70 - 130
Toluene	0.100	0.09070		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09097		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1855		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-99266/1-A

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09453		mg/Kg		95	70 - 130

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

Lab Sample ID: LCSD 880-99266/2-A

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09796		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09256		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.09293		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130	2	35
o-Xylene	0.100	0.09643		mg/Kg		96	70 - 130	2	35

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

Lab Sample ID: 890-7525-A-1-A MS

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09891		mg/Kg		99	70 - 130
Toluene	<0.00201	U	0.0998	0.08277		mg/Kg		83	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.06978		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1373	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00201	U F1	0.0998	0.06804	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7525-A-1-B MSD

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1059		mg/Kg		107	70 - 130	7	35
Toluene	<0.00201	U	0.0990	0.09120		mg/Kg		92	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0990	0.07871		mg/Kg		79	70 - 130	12	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1567		mg/Kg		79	70 - 130	13	35
o-Xylene	<0.00201	U F1	0.0990	0.07854		mg/Kg		79	70 - 130	14	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-7525-A-1-B MSD

Matrix: Solid

Analysis Batch: 99257

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99266

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-99174/1-A

Matrix: Solid

Analysis Batch: 99296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99174

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 17:52	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 17:52	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/24 11:15	01/02/25 17:52	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	79		70 - 130				12/31/24 11:15	01/02/25 17:52	1	
o-Terphenyl	78		70 - 130				12/31/24 11:15	01/02/25 17:52	1	

Lab Sample ID: LCS 880-99174/2-A

Matrix: Solid

Analysis Batch: 99296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99174

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	946.4		mg/Kg		95		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	932.6		mg/Kg		93		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	102		70 - 130							
o-Terphenyl	94		70 - 130							

Lab Sample ID: LCSD 880-99174/3-A

Matrix: Solid

Analysis Batch: 99296

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99174

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	975.5		mg/Kg		98		70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	982.2		mg/Kg		98		70 - 130	5	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	106		70 - 130							
o-Terphenyl	98		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52709-A-1-B MS

Matrix: Solid

Analysis Batch: 99296

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	539.2	F1	mg/Kg		54	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	593.1	F1	mg/Kg		59	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: 880-52709-A-1-C MSD

Matrix: Solid

Analysis Batch: 99296

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99174

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	538.5	F1	mg/Kg		54	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	614.3	F1	mg/Kg		61	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: MB 880-99306/1-A

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99306

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		01/02/25 11:47	01/03/25 01:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/02/25 11:47	01/03/25 01:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/02/25 11:47	01/03/25 01:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				01/02/25 11:47	01/03/25 01:04	1
o-Terphenyl	100		70 - 130				01/02/25 11:47	01/03/25 01:04	1

Lab Sample ID: LCS 880-99306/2-A

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1107		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1200		mg/Kg		120	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-99306/2-A

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99306

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-99306/3-A

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1351	*+	mg/Kg		135	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1347	*+	mg/Kg		135	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	161	S1+	70 - 130
o-Terphenyl	147	S1+	70 - 130

Lab Sample ID: 890-7524-A-1-C MS

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** F1	994	682.6	F1	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U ** F1	994	679.7	F1	mg/Kg		68	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-7524-A-1-D MSD

Matrix: Solid

Analysis Batch: 99405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** F1	994	721.8		mg/Kg		73	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U ** F1	994	670.4	F1	mg/Kg		67	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	88		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-99194/1-A

Matrix: Solid

Analysis Batch: 99198

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/31/24 18:56	1

Lab Sample ID: LCS 880-99194/2-A

Matrix: Solid

Analysis Batch: 99198

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.3		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-99194/3-A

Matrix: Solid

Analysis Batch: 99198

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	264.3		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-52712-3 MS

Matrix: Solid

Analysis Batch: 99198

Client Sample ID: S-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.98	U F1	250	340.5	F1	mg/Kg		136	90 - 110

Lab Sample ID: 880-52712-3 MSD

Matrix: Solid

Analysis Batch: 99198

Client Sample ID: S-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U F1	250	340.2	F1	mg/Kg		136	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 99011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	8021B	99152
880-52712-3	S-1 (2')	Total/NA	Solid	8021B	99152
880-52712-5	S-2 (1.5')	Total/NA	Solid	8021B	99152
880-52712-6	S-2 (2')	Total/NA	Solid	8021B	99152
880-52712-10	S-3 (3')	Total/NA	Solid	8021B	99152
880-52712-11	S-3 (4')	Total/NA	Solid	8021B	99152
880-52712-12	S-3 (5')	Total/NA	Solid	8021B	99152
MB 880-99152/5-A	Method Blank	Total/NA	Solid	8021B	99152
LCS 880-99152/1-A	Lab Control Sample	Total/NA	Solid	8021B	99152
LCSD 880-99152/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	99152
880-52689-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	99152
880-52689-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	99152

Prep Batch: 99152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	5035	
880-52712-3	S-1 (2')	Total/NA	Solid	5035	
880-52712-5	S-2 (1.5')	Total/NA	Solid	5035	
880-52712-6	S-2 (2')	Total/NA	Solid	5035	
880-52712-10	S-3 (3')	Total/NA	Solid	5035	
880-52712-11	S-3 (4')	Total/NA	Solid	5035	
880-52712-12	S-3 (5')	Total/NA	Solid	5035	
MB 880-99152/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99152/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99152/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52689-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-52689-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-2	S-1 (1.5')	Total/NA	Solid	8021B	99266
880-52712-4	S-2 (0-1')	Total/NA	Solid	8021B	99266
880-52712-7	S-3 (0-1')	Total/NA	Solid	8021B	99266
880-52712-8	S-3 (1.5')	Total/NA	Solid	8021B	99266
880-52712-9	S-3 (2')	Total/NA	Solid	8021B	99266
MB 880-99266/5-A	Method Blank	Total/NA	Solid	8021B	99266
LCS 880-99266/1-A	Lab Control Sample	Total/NA	Solid	8021B	99266
LCSD 880-99266/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	99266
890-7525-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	99266
890-7525-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	99266

Prep Batch: 99266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-2	S-1 (1.5')	Total/NA	Solid	5035	
880-52712-4	S-2 (0-1')	Total/NA	Solid	5035	
880-52712-7	S-3 (0-1')	Total/NA	Solid	5035	
880-52712-8	S-3 (1.5')	Total/NA	Solid	5035	
880-52712-9	S-3 (2')	Total/NA	Solid	5035	
MB 880-99266/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99266/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99266/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 99266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7525-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7525-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-52712-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-52712-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-52712-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-52712-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-52712-6	S-2 (2')	Total/NA	Solid	Total BTEX	
880-52712-7	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-52712-8	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-52712-9	S-3 (2')	Total/NA	Solid	Total BTEX	
880-52712-10	S-3 (3')	Total/NA	Solid	Total BTEX	
880-52712-11	S-3 (4')	Total/NA	Solid	Total BTEX	
880-52712-12	S-3 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 99174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-52712-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-52712-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-52712-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-52712-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-52712-6	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-52712-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-52712-8	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-52712-9	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-52712-12	S-3 (5')	Total/NA	Solid	8015NM Prep	
MB 880-99174/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99174/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-99174/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52709-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52709-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	8015B NM	99174
880-52712-2	S-1 (1.5')	Total/NA	Solid	8015B NM	99174
880-52712-3	S-1 (2')	Total/NA	Solid	8015B NM	99174
880-52712-4	S-2 (0-1')	Total/NA	Solid	8015B NM	99174
880-52712-5	S-2 (1.5')	Total/NA	Solid	8015B NM	99174
880-52712-6	S-2 (2')	Total/NA	Solid	8015B NM	99174
880-52712-7	S-3 (0-1')	Total/NA	Solid	8015B NM	99174
880-52712-8	S-3 (1.5')	Total/NA	Solid	8015B NM	99174
880-52712-9	S-3 (2')	Total/NA	Solid	8015B NM	99174
880-52712-12	S-3 (5')	Total/NA	Solid	8015B NM	99174
MB 880-99174/1-A	Method Blank	Total/NA	Solid	8015B NM	99174

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 99296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-99174/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99174
LCSD 880-99174/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99174
880-52709-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	99174
880-52709-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	99174

Prep Batch: 99306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-10	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-52712-11	S-3 (4')	Total/NA	Solid	8015NM Prep	
MB 880-99306/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99306/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7524-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7524-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 99398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-52712-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-52712-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-52712-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-52712-5	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-52712-6	S-2 (2')	Total/NA	Solid	8015 NM	
880-52712-7	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-52712-8	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-52712-9	S-3 (2')	Total/NA	Solid	8015 NM	
880-52712-10	S-3 (3')	Total/NA	Solid	8015 NM	
880-52712-11	S-3 (4')	Total/NA	Solid	8015 NM	
880-52712-12	S-3 (5')	Total/NA	Solid	8015 NM	

Analysis Batch: 99405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-10	S-3 (3')	Total/NA	Solid	8015B NM	99306
880-52712-11	S-3 (4')	Total/NA	Solid	8015B NM	99306
MB 880-99306/1-A	Method Blank	Total/NA	Solid	8015B NM	99306
LCS 880-99306/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99306
LCSD 880-99306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99306
890-7524-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	99306
890-7524-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	99306

HPLC/IC

Leach Batch: 99194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-52712-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-52712-3	S-1 (2')	Soluble	Solid	DI Leach	
880-52712-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-52712-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-52712-6	S-2 (2')	Soluble	Solid	DI Leach	
880-52712-7	S-3 (0-1')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 99194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-8	S-3 (1.5')	Soluble	Solid	DI Leach	
880-52712-9	S-3 (2')	Soluble	Solid	DI Leach	
880-52712-10	S-3 (3')	Soluble	Solid	DI Leach	
880-52712-11	S-3 (4')	Soluble	Solid	DI Leach	
880-52712-12	S-3 (5')	Soluble	Solid	DI Leach	
MB 880-99194/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99194/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99194/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52712-3 MS	S-1 (2')	Soluble	Solid	DI Leach	
880-52712-3 MSD	S-1 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 99198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52712-1	S-1 (0-1')	Soluble	Solid	300.0	99194
880-52712-2	S-1 (1.5')	Soluble	Solid	300.0	99194
880-52712-3	S-1 (2')	Soluble	Solid	300.0	99194
880-52712-4	S-2 (0-1')	Soluble	Solid	300.0	99194
880-52712-5	S-2 (1.5')	Soluble	Solid	300.0	99194
880-52712-6	S-2 (2')	Soluble	Solid	300.0	99194
880-52712-7	S-3 (0-1')	Soluble	Solid	300.0	99194
880-52712-8	S-3 (1.5')	Soluble	Solid	300.0	99194
880-52712-9	S-3 (2')	Soluble	Solid	300.0	99194
880-52712-10	S-3 (3')	Soluble	Solid	300.0	99194
880-52712-11	S-3 (4')	Soluble	Solid	300.0	99194
880-52712-12	S-3 (5')	Soluble	Solid	300.0	99194
MB 880-99194/1-A	Method Blank	Soluble	Solid	300.0	99194
LCS 880-99194/2-A	Lab Control Sample	Soluble	Solid	300.0	99194
LCSD 880-99194/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99194
880-52712-3 MS	S-1 (2')	Soluble	Solid	300.0	99194
880-52712-3 MSD	S-1 (2')	Soluble	Solid	300.0	99194

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	99011	12/31/24 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 15:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 20:21	SMC	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	99266	01/02/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	99257	01/02/25 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	01/02/25 12:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 19:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 19:34	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 20:27	SMC	EET MID

Client Sample ID: S-1 (2')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99011	12/31/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 19:48	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 20:33	SMC	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	99266	01/02/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	99257	01/02/25 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	01/02/25 12:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52712-4

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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			99398	01/02/25 20:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 20:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 20:50	SMC	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-52712-5

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	99011	12/31/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 20:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 20:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 20:56	SMC	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-52712-6

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99011	12/31/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 20:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 20:33	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:13	SMC	EET MID

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

Lab Sample ID: 880-52712-7

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99266	01/02/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	99257	01/02/25 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	01/02/25 13:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 20:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 20:50	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-52712-7

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:18	SMC	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-52712-8

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99266	01/02/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	99257	01/02/25 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	01/02/25 13:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 21:04	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:24	SMC	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-52712-9

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99266	01/02/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	99257	01/02/25 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	01/02/25 13:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 21:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 21:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:30	SMC	EET MID

Client Sample ID: S-3 (3')

Lab Sample ID: 880-52712-10

Date Collected: 12/26/24 00:00

Matrix: Solid

Date Received: 12/31/24 10:19

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	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	99011	12/31/24 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 20:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/03/25 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	99306	01/02/25 11:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99405	01/03/25 13:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:35	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (4')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	99011	12/31/24 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 20:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/03/25 15:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	99306	01/02/25 11:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99405	01/03/25 15:41	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:41	SMC	EET MID

Client Sample ID: S-3 (5')
Date Collected: 12/26/24 00:00
Date Received: 12/31/24 10:19

Lab Sample ID: 880-52712-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	99152	12/31/24 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99011	12/31/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99317	12/31/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			99398	01/02/25 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	99174	12/31/24 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99296	01/02/25 22:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	99194	12/31/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99198	12/31/24 21:46	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: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
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: Gin To Tectonic Federal 50 CTB

Job ID: 880-52712-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52712-1	S-1 (0-1')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-2	S-1 (1.5')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-3	S-1 (2')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-4	S-2 (0-1')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-5	S-2 (1.5')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-6	S-2 (2')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-7	S-3 (0-1')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-8	S-3 (1.5')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-9	S-3 (2')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-10	S-3 (3')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-11	S-3 (4')	Solid	12/26/24 00:00	12/31/24 10:19
880-52712-12	S-3 (5')	Solid	12/26/24 00:00	12/31/24 10:19



Chain of Custody



880-52712 Chain of Custody

Page 1 of 2

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

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

Project Name:		Gin to Tectonic Federal 50 CTB			Turn Around		ANALYSIS REQUEST										Preservative Codes								
Project Number:		2553			☐ Routine ☒ Rush		Pres. Code												None: NO DI Water: H ₂ O						
Project Location		Lea County, New Mexico			Due Date:		72 Hours												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		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes No		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-1 (0-1')		12/26/2024				X				G		1													
S-1 (1.5')		12/26/2024				X				G		1													
S-1 (2')		12/26/2024				X				G		1													
S-2 (0-1')		12/26/2024				X				G		1													
S-2 (1.5')		12/26/2024				X				G		1													
S-2 (2')		12/26/2024				X				G		1													
S-3 (0-1')		12/26/2024				X				G		1													
S-3 (1.5')		12/26/2024				X				G		1													
S-3 (2')		12/26/2024				X				G		1													
S-3 (3')		12/26/2024				X				G		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
<i>Connie [Signature]</i>	12/31/24	<i>[Signature]</i>	12/31/24 10:19

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Chain of Custody

Work Order No:

Page 2 of 2

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Comm. on Encl.</i>	12/31/24	<i>[Signature]</i>	12/31/24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52712-1

SDG Number: Lea County, New Mexico

Login Number: 52712

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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 10/31/2024 1:42:50 PM

JOB DESCRIPTION

Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-50388-1

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
10/31/2024 1:42:50 PM

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

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Laboratory Job ID: 880-50388-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1

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Eurofins Midland

Job Narrative 880-50388-1

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

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

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

Receipt

The samples were received on 10/29/2024 3:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-2 (0-0.5') (880-50388-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94355 and analytical batch 880-94359 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 sample is: H-1 (0-0.5') (880-50388-1).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94355 and analytical batch 880-94359 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: H-2 (0-0.5') (880-50388-2), H-3 (0-0.5') (880-50388-3), H-4 (0-0.5') (880-50388-4), H-5 (0-0.5') (880-50388-5), H-6 (0-0.5') (880-50388-6), H-7 (0-0.5') (880-50388-7), H-8 (0-0.5') (880-50388-8), (880-50388-A-2-C MS) and (880-50388-A-2-D MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-1

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 18:21	1
Toluene	0.00417		0.00200		mg/Kg		10/29/24 15:18	10/29/24 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 18:21	1
m-Xylene & p-Xylene	0.0112		0.00401		mg/Kg		10/29/24 15:18	10/29/24 18:21	1
o-Xylene	0.00283		0.00200		mg/Kg		10/29/24 15:18	10/29/24 18:21	1
Xylenes, Total	0.0140		0.00401		mg/Kg		10/29/24 15:18	10/29/24 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/29/24 15:18	10/29/24 18:21	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/29/24 15:18	10/29/24 18:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0182		0.00401		mg/Kg			10/29/24 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	212		49.9		mg/Kg			10/29/24 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	75.4		49.9		mg/Kg		10/29/24 15:41	10/29/24 23:12	1
Diesel Range Organics (Over C10-C28)	137		49.9		mg/Kg		10/29/24 15:41	10/29/24 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/29/24 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/29/24 15:41	10/29/24 23:12	1
o-Terphenyl	78		70 - 130	10/29/24 15:41	10/29/24 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		10.1		mg/Kg			10/30/24 12:29	1

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

Lab Sample ID: 880-50388-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00227		0.00199		mg/Kg		10/29/24 15:18	10/29/24 18:42	1
Toluene	0.00527		0.00199		mg/Kg		10/29/24 15:18	10/29/24 18:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/24 15:18	10/29/24 18:42	1
m-Xylene & p-Xylene	0.0115		0.00398		mg/Kg		10/29/24 15:18	10/29/24 18:42	1
o-Xylene	0.00322		0.00199		mg/Kg		10/29/24 15:18	10/29/24 18:42	1
Xylenes, Total	0.0147		0.00398		mg/Kg		10/29/24 15:18	10/29/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/29/24 15:18	10/29/24 18:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/29/24 15:18	10/29/24 18:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0223		0.00398		mg/Kg			10/29/24 18:42	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			10/29/24 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/29/24 23:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/29/24 23:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/29/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				10/29/24 15:41	10/29/24 23:30	1
o-Terphenyl	67	S1-	70 - 130				10/29/24 15:41	10/29/24 23:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	F1	9.94		mg/Kg			10/30/24 12:34	1

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

Lab Sample ID: 880-50388-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00205		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
Toluene	0.00923		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
Ethylbenzene	0.00313		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
m-Xylene & p-Xylene	0.0213		0.00400		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
o-Xylene	0.00546		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
Xylenes, Total	0.0268		0.00400		mg/Kg		10/29/24 15:18	10/29/24 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/29/24 15:18	10/29/24 19:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/29/24 15:18	10/29/24 19:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0412		0.00400		mg/Kg			10/29/24 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	<49.8	U	49.8		mg/Kg			10/30/24 00:03	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		10/29/24 15:41	10/30/24 00:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 00:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/29/24 15:41	10/30/24 00:03	1
o-Terphenyl	70		70 - 130				10/29/24 15:41	10/30/24 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.92		mg/Kg			10/30/24 12:48	1

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

Lab Sample ID: 880-50388-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
Toluene	0.00526		0.00201		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
Ethylbenzene	0.00218		0.00201		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
m-Xylene & p-Xylene	0.0135		0.00402		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
o-Xylene	0.00392		0.00201		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
Xylenes, Total	0.0174		0.00402		mg/Kg		10/29/24 15:18	10/29/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/29/24 15:18	10/29/24 19:23	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/29/24 15:18	10/29/24 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0249		0.00402		mg/Kg			10/29/24 19:23	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			10/30/24 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/29/24 15:41	10/30/24 00:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/29/24 15:41	10/30/24 00:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/29/24 15:41	10/30/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/29/24 15:41	10/30/24 00:20	1
o-Terphenyl	72		70 - 130				10/29/24 15:41	10/30/24 00:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.0		9.96		mg/Kg			10/30/24 12:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-5

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0538		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:43	1
Toluene	0.0549		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:43	1
Ethylbenzene	0.00321		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:43	1
m-Xylene & p-Xylene	0.0192		0.00401		mg/Kg		10/29/24 15:18	10/29/24 19:43	1
o-Xylene	0.00512		0.00200		mg/Kg		10/29/24 15:18	10/29/24 19:43	1
Xylenes, Total	0.0243		0.00401		mg/Kg		10/29/24 15:18	10/29/24 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/29/24 15:18	10/29/24 19:43	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/29/24 15:18	10/29/24 19:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.136		0.00401		mg/Kg			10/29/24 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	<50.0	U	50.0		mg/Kg			10/30/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 00:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 00:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/29/24 15:41	10/30/24 00:36	1
o-Terphenyl	72		70 - 130	10/29/24 15:41	10/30/24 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.1		9.90		mg/Kg			10/30/24 13:07	1

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

Lab Sample ID: 880-50388-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.163		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:04	1
Toluene	0.159		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:04	1
Ethylbenzene	0.0113		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:04	1
m-Xylene & p-Xylene	0.0680		0.00400		mg/Kg		10/29/24 15:18	10/29/24 20:04	1
o-Xylene	0.0169		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:04	1
Xylenes, Total	0.0849		0.00400		mg/Kg		10/29/24 15:18	10/29/24 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/29/24 15:18	10/29/24 20:04	1
1,4-Difluorobenzene (Surr)	115		70 - 130	10/29/24 15:18	10/29/24 20:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.418		0.00400		mg/Kg			10/29/24 20:04	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			10/30/24 00:53	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	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 00:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 00:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/29/24 15:41	10/30/24 00:53	1
o-Terphenyl	71		70 - 130				10/29/24 15:41	10/30/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.9		9.92		mg/Kg			10/30/24 13:12	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-50388-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0864		0.00199		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
Toluene	0.0776		0.00199		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
Ethylbenzene	0.00422		0.00199		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
m-Xylene & p-Xylene	0.0247		0.00398		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
o-Xylene	0.00613		0.00199		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
Xylenes, Total	0.0308		0.00398		mg/Kg		10/29/24 15:18	10/29/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/29/24 15:18	10/29/24 20:24	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/29/24 15:18	10/29/24 20:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.199		0.00398		mg/Kg			10/29/24 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/30/24 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/30/24 01:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/30/24 01:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-50388-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 15:41	10/30/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/29/24 15:41	10/30/24 01:09	1
o-Terphenyl	74		70 - 130				10/29/24 15:41	10/30/24 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.3		10.1		mg/Kg			10/30/24 13:17	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-50388-8

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.108		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
Toluene	0.0869		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
Ethylbenzene	0.00350		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
m-Xylene & p-Xylene	0.0204		0.00399		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
o-Xylene	0.00529		0.00200		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
Xylenes, Total	0.0257		0.00399		mg/Kg		10/29/24 15:18	10/29/24 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/29/24 15:18	10/29/24 20:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/29/24 15:18	10/29/24 20:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.224		0.00399		mg/Kg			10/29/24 20:45	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			10/30/24 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 01:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 01:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/29/24 15:41	10/30/24 01:27	1
o-Terphenyl	75		70 - 130				10/29/24 15:41	10/30/24 01:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		10.0		mg/Kg			10/30/24 13:22	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
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)
880-50388-1	H-1 (0-0.5')	95	92
880-50388-1 MS	H-1 (0-0.5')	102	102
880-50388-1 MSD	H-1 (0-0.5')	103	104
880-50388-2	H-2 (0-0.5')	97	94
880-50388-3	H-3 (0-0.5')	98	95
880-50388-4	H-4 (0-0.5')	99	96
880-50388-5	H-5 (0-0.5')	99	108
880-50388-6	H-6 (0-0.5')	99	115
880-50388-7	H-7 (0-0.5')	98	109
880-50388-8	H-8 (0-0.5')	96	114
LCS 880-94349/1-A	Lab Control Sample	99	104
LCSD 880-94349/2-A	Lab Control Sample Dup	98	102
MB 880-94349/5-A	Method Blank	89	90
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)
880-50388-1	H-1 (0-0.5')	90	78
880-50388-2	H-2 (0-0.5')	80	67 S1-
880-50388-3	H-3 (0-0.5')	87	70
880-50388-4	H-4 (0-0.5')	87	72
880-50388-5	H-5 (0-0.5')	87	72
880-50388-6	H-6 (0-0.5')	88	71
880-50388-7	H-7 (0-0.5')	92	74
880-50388-8	H-8 (0-0.5')	93	75
LCS 880-94352/2-A	Lab Control Sample	112	97
LCSD 880-94352/3-A	Lab Control Sample Dup	114	99
MB 880-94352/1-A	Method Blank	124	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94349/5-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94349

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/24 15:18	10/29/24 17:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	89		70 - 130	10/29/24 15:18	10/29/24 17:59	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/29/24 15:18	10/29/24 17:59	1

Lab Sample ID: LCS 880-94349/1-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1075		mg/Kg		107	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2167		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-94349/2-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09867		mg/Kg		99	70 - 130	9	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	8	35
Ethylbenzene	0.100	0.09824		mg/Kg		98	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1995		mg/Kg		100	70 - 130	8	35
o-Xylene	0.100	0.09910		mg/Kg		99	70 - 130	8	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-50388-1 MS

Matrix: Solid

Analysis Batch: 94302

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

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.09705		mg/Kg		95	70 - 130
Toluene	0.00417		0.100	0.1010		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-1 MS

Matrix: Solid

Analysis Batch: 94302

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

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09500		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.0112		0.200	0.1983		mg/Kg		94	70 - 130
o-Xylene	0.00283		0.100	0.09694		mg/Kg		94	70 - 130

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

Lab Sample ID: 880-50388-1 MSD

Matrix: Solid

Analysis Batch: 94302

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

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08831		mg/Kg		87	70 - 130	9	35
Toluene	0.00417		0.100	0.09105		mg/Kg		87	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.08540		mg/Kg		84	70 - 130	11	35
m-Xylene & p-Xylene	0.0112		0.200	0.1779		mg/Kg		83	70 - 130	11	35
o-Xylene	0.00283		0.100	0.08764		mg/Kg		85	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-94352/1-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94352

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		10/29/24 15:39	10/29/24 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:39	10/29/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:39	10/29/24 19:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	10/29/24 15:39	10/29/24 19:35	1
o-Terphenyl	97		70 - 130	10/29/24 15:39	10/29/24 19:35	1

Lab Sample ID: LCS 880-94352/2-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	765.0		mg/Kg		76	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-94352/2-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94352

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-94352/3-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94352

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	780.1		mg/Kg		78	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	99		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94355/1-A

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/30/24 08:24	1

Lab Sample ID: LCS 880-94355/2-A

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-94355/3-A

Matrix: Solid

Analysis Batch: 94359

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	235.9		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-50388-2 MS

Matrix: Solid

Analysis Batch: 94359

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110	F1	249	323.6	F1	mg/Kg		86	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-50388-2 MSD							Client Sample ID: H-2 (0-0.5')					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 94359												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	110	F1	249	321.9	F1	mg/Kg		85	90 - 110	1	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 94302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	8021B	94349
MB 880-94349/5-A	Method Blank	Total/NA	Solid	8021B	94349
LCS 880-94349/1-A	Lab Control Sample	Total/NA	Solid	8021B	94349
LCSD 880-94349/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94349
880-50388-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	94349
880-50388-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	94349

Prep Batch: 94349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-94349/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94349/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94349/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50388-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-50388-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 94443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 94324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	94352

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 94324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	94352
MB 880-94352/1-A	Method Blank	Total/NA	Solid	8015B NM	94352
LCS 880-94352/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94352
LCSD 880-94352/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94352

Prep Batch: 94352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-94352/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94352/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94352/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-50388-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 94355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-94355/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94355/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94355/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50388-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-50388-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 94359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50388-1	H-1 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-2	H-2 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-3	H-3 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-4	H-4 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-5	H-5 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-6	H-6 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-7	H-7 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-8	H-8 (0-0.5')	Soluble	Solid	300.0	94355
MB 880-94355/1-A	Method Blank	Soluble	Solid	300.0	94355
LCS 880-94355/2-A	Lab Control Sample	Soluble	Solid	300.0	94355
LCSD 880-94355/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94355
880-50388-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	94355
880-50388-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	94355

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-1

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 18:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/29/24 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/29/24 23:12	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 12:29	SMC	EET MID

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

Lab Sample ID: 880-50388-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/29/24 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/29/24 23:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 12:34	SMC	EET MID

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

Lab Sample ID: 880-50388-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/30/24 00:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 00:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 12:48	SMC	EET MID

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

Lab Sample ID: 880-50388-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 19:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			94427	10/30/24 00:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 00:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 12:53	SMC	EET MID

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

Lab Sample ID: 880-50388-5

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/30/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 00:36	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:07	SMC	EET MID

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

Lab Sample ID: 880-50388-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 20:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 20:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/30/24 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 00:53	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:12	SMC	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-50388-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 20:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 20:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/30/24 01:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 01:09	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50388-7
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			4.96 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:17	SMC	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50388-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94302	10/29/24 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94443	10/29/24 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			94427	10/30/24 01:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 01:27	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:22	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: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
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: Gin to Tectonic Federal 50 CTB

Job ID: 880-50388-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50388-1	H-1 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-2	H-2 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-3	H-3 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-4	H-4 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-5	H-5 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-6	H-6 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-7	H-7 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50388-8	H-8 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05

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Chain of Custody



880-50388 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 ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

ANALYSIS REQUEST											
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around	Pres. Code	Parameters	# of Cont	Sample Comments		
Gin to Tectonic Federal 50 CTB	2553	Lea County, New Mexico	JM		☐ Routine ☒ Rush						
SAMPLE RECEIPT Received Intact: Yes ☒ No ☐ Thermometer ID: <u>125</u> Cooler Custody Seals: Yes ☒ No ☐ Correction Factor: <u>-1.0</u> Sample Custody Seals: Yes ☒ No ☐ Temperature Reading: <u>-1.0</u> Total Containers: <u>7</u> Corrected Temperature: <u>-1.0</u>					BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0						
Sample Identification	Date	Time	Soil	Water	Grab/Comp						
H-1 (0-0.5')	10/25/2024		X		G	1		X			
H-2 (0-0.5')	10/25/2024		X		G	1		X			
H-3 (0-0.5')	10/25/2024		X		G	1		X			
H-4 (0-0.5')	10/25/2024		X		G	1		X			
H-5 (0-0.5')	10/25/2024		X		G	1		X			
H-6 (0-0.5')	10/25/2024		X		G	1		X			
H-7 (0-0.5')	10/25/2024		X		G	1		X			
H-8 (0-0.5')	10/25/2024		X		G	1		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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50388-1
SDG Number: Lea County, New Mexico

Login Number: 50388
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



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 2/12/2025 4:48:58 PM

JOB DESCRIPTION

Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-54301-1

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
2/12/2025 4:48:58 PM

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

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Laboratory Job ID: 880-54301-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1

Job ID: 880-54301-1

Eurofins Midland

Job Narrative 880-54301-1

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

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

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

Receipt

The sample was received on 2/11/2025 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-54301-1).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54301-1

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 16:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 16:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/11/25 10:28	02/11/25 16:00	1
1,4-Difluorobenzene (Surr)	80		70 - 130	02/11/25 10:28	02/11/25 16:00	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			02/11/25 16:00	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			02/12/25 04:02	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		02/11/25 10:42	02/12/25 04:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 04:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/25 10:42	02/12/25 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/12/25 04:02	1
o-Terphenyl				02/11/25 10:42	02/12/25 04:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/11/25 17:18	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
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)
880-54301-1	H-1 (0-0.5')	124	80
880-54301-1 MS	H-1 (0-0.5')	99	100
880-54301-1 MSD	H-1 (0-0.5')	100	101
LCS 880-102460/1-A	Lab Control Sample	97	100
LCSD 880-102460/2-A	Lab Control Sample Dup	98	100
MB 880-102460/5-A	Method Blank	111	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
880-54301-1	H-1 (0-0.5')		
MB 880-102463/1-A	Method Blank		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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)
LCS 880-102463/2-A	Lab Control Sample	82	90
LCSD 880-102463/3-A	Lab Control Sample Dup	83	93
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102460/5-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/25 10:28	02/11/25 15:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/11/25 10:28	02/11/25 15:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/11/25 10:28	02/11/25 15:30	1

Lab Sample ID: LCS 880-102460/1-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08359		mg/Kg		84	70 - 130
Toluene	0.100	0.08641		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08091		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1663		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08608		mg/Kg		86	70 - 130

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

Lab Sample ID: LCSD 880-102460/2-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09392		mg/Kg		94	70 - 130	12	35
Toluene	0.100	0.09758		mg/Kg		98	70 - 130	12	35
Ethylbenzene	0.100	0.09095		mg/Kg		91	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1862		mg/Kg		93	70 - 130	11	35
o-Xylene	0.100	0.09584		mg/Kg		96	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-54301-1 MS

Matrix: Solid

Analysis Batch: 102426

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

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08198		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.0998	0.08079		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54301-1 MS

Matrix: Solid

Analysis Batch: 102426

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

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.07653		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1547		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08162		mg/Kg		82	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-54301-1 MSD

Matrix: Solid

Analysis Batch: 102426

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

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09055		mg/Kg		91	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.08941		mg/Kg		90	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0996	0.08356		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1703		mg/Kg		85	70 - 130	10	35
o-Xylene	<0.00200	U	0.0996	0.08927		mg/Kg		90	70 - 130	9	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-102463/1-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102463

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		02/11/25 10:41	02/11/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 10:41	02/11/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:41	02/11/25 19:28	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:41	02/11/25 19:28	1
o-Terphenyl							02/11/25 10:41	02/11/25 19:28	1

Lab Sample ID: LCS 880-102463/2-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	51000	991.4	*-	mg/Kg		2	70 - 130
Diesel Range Organics (Over C10-C28)	51000	923.9	*-	mg/Kg		2	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102463/2-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102463

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-102463/3-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102463

	Spike	LCSD	LCSD					%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	51000	985.2	*-	mg/Kg		2	70 - 130	1	20		
Diesel Range Organics (Over C10-C28)	51000	945.1	*-	mg/Kg		2	70 - 130	2	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-54302-A-1-E MS

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102463

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- F1	50900	968.4	F1	mg/Kg		2	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U *- F1	50900	667.3	F1	mg/Kg		1	70 - 130	

Lab Sample ID: 880-54302-A-1-F MSD

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102463

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- F1	50900	1002	F1	mg/Kg		2	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *- F1	50900	699.5	F1	mg/Kg		1	70 - 130	5	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102461/1-A

Matrix: Solid

Analysis Batch: 102490

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 16:51	1	

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102461/2-A

Matrix: Solid

Analysis Batch: 102490

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-102461/3-A

Matrix: Solid

Analysis Batch: 102490

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	248.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-54301-1 MS

Matrix: Solid

Analysis Batch: 102490

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.1	U	252	265.6		mg/Kg		102	90 - 110

Lab Sample ID: 880-54301-1 MSD

Matrix: Solid

Analysis Batch: 102490

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	252	267.2		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	8021B	102460
MB 880-102460/5-A	Method Blank	Total/NA	Solid	8021B	102460
LCS 880-102460/1-A	Lab Control Sample	Total/NA	Solid	8021B	102460
LCSD 880-102460/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102460
880-54301-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	102460
880-54301-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	102460

Prep Batch: 102460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-102460/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102460/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102460/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54301-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-54301-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 102607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	102463
MB 880-102463/1-A	Method Blank	Total/NA	Solid	8015B NM	102463
LCS 880-102463/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102463
LCSD 880-102463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102463
880-54302-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	102463
880-54302-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102463

Prep Batch: 102463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-102463/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102463/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54302-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54302-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-102461/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102461/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102461/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 102461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-54301-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 102490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54301-1	H-1 (0-0.5')	Soluble	Solid	300.0	102461
MB 880-102461/1-A	Method Blank	Soluble	Solid	300.0	102461
LCS 880-102461/2-A	Lab Control Sample	Soluble	Solid	300.0	102461
LCSD 880-102461/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102461
880-54301-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	102461
880-54301-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	102461

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

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

Date Collected: 02/10/25 00:00

Date Received: 02/11/25 10:00

Lab Sample ID: 880-54301-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102607	02/11/25 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102588	02/12/25 04:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 04:02	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 17:18	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
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: Gin to Tectonic Federal 50 CTB

Job ID: 880-54301-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54301-1	H-1 (0-0.5')	Solid	02/10/25 00:00	02/11/25 10:00

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

Chain of Custody



880-54301 Chain of Custody

Page 1 of 1

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54301-1

SDG Number: Lea County, New Mexico

Login Number: 54301

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/12/2025 4:49:06 PM

JOB DESCRIPTION

Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-54302-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Laboratory Job ID: 880-54302-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1

Job ID: 880-54302-1

Eurofins Midland

Job Narrative 880-54302-1

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

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

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

Receipt

The samples were received on 2/11/2025 10:00 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 -2.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2') (880-54302-1), CS-2 (5') (880-54302-2), CS-3 (5') (880-54302-3), CS-4 (2') (880-54302-4), CS-5 (2') (880-54302-5), CS-6 (2') (880-54302-6), SW-1 (2') (880-54302-7), SW-2 (2') (880-54302-8), SW-3 (2') (880-54302-9), SW-4 (2') (880-54302-10), SW-5 (5') (880-54302-11), SW-6 (5') (880-54302-12), SW-7 (5') (880-54302-13), SW-8 (3') (880-54302-14), SW-9 (3') (880-54302-15), SW-10 (2') (880-54302-16), SW-11 (2') (880-54302-17), SW-12 (2') (880-54302-18) and SW-13 (3') (880-54302-19).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-54302-1

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 16:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 16:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/11/25 10:28	02/11/25 16:20	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/11/25 10:28	02/11/25 16:20	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			02/11/25 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/25 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- F1	49.9		mg/Kg		02/11/25 10:42	02/11/25 20:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- F1	49.9		mg/Kg		02/11/25 10:42	02/11/25 20:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/25 10:42	02/11/25 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/11/25 20:30	1
o-Terphenyl				02/11/25 10:42	02/11/25 20:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/11/25 17:46	1

Client Sample ID: CS-2 (5')

Lab Sample ID: 880-54302-2

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 16:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 16:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 16:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/11/25 10:28	02/11/25 16:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/11/25 10:28	02/11/25 16:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (5')

Lab Sample ID: 880-54302-2

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			02/11/25 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/11/25 21:32	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		02/11/25 10:42	02/11/25 21:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/11/25 21:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/25 10:42	02/11/25 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 21:32	1
o-Terphenyl							02/11/25 10:42	02/11/25 21:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/11/25 17:55	1

Client Sample ID: CS-3 (5')

Lab Sample ID: 880-54302-3

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 17:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 17:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 17:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 17:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 17:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/11/25 10:28	02/11/25 17:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 17:01	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			02/11/25 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/11/25 21:53	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		02/11/25 10:42	02/11/25 21:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7		mg/Kg		02/11/25 10:42	02/11/25 21:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (5')

Lab Sample ID: 880-54302-3

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:42	02/11/25 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 21:53	1
o-Terphenyl							02/11/25 10:42	02/11/25 21:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/11/25 18:04	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-54302-4

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/11/25 10:28	02/11/25 17:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/11/25 10:28	02/11/25 17:22	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			02/11/25 17:22	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			02/11/25 22:13	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		02/11/25 10:42	02/11/25 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/11/25 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:42	02/11/25 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 22:13	1
o-Terphenyl							02/11/25 10:42	02/11/25 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/11/25 18:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-54302-5

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/11/25 10:28	02/11/25 17:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 17:42	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			02/11/25 17:42	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			02/11/25 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/11/25 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/11/25 22:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/25 10:42	02/11/25 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 22:34	1
o-Terphenyl							02/11/25 10:42	02/11/25 22:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/11/25 18:41	1

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-54302-6

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				02/11/25 10:28	02/11/25 18:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 18:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-54302-6

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			02/11/25 18:03	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			02/11/25 22:53	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	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/11/25 22:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/11/25 22:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/25 10:42	02/11/25 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 22:53	1
o-Terphenyl							02/11/25 10:42	02/11/25 22:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 18:50	1

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-54302-7

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 18:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/25 10:28	02/11/25 18:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/25 10:28	02/11/25 18:23	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/11/25 10:28	02/11/25 18:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/25 10:28	02/11/25 18:23	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/11/25 10:28	02/11/25 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				02/11/25 10:28	02/11/25 18:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/11/25 10:28	02/11/25 18:23	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			02/11/25 18:23	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			02/11/25 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/11/25 23:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/11/25 23:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-54302-7

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:42	02/11/25 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 23:14	1
o-Terphenyl							02/11/25 10:42	02/11/25 23:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/11/25 18:59	1

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-54302-8

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 18:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				02/11/25 10:28	02/11/25 18:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 18:43	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			02/11/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/25 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/11/25 23:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/11/25 23:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/25 10:42	02/11/25 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/11/25 23:35	1
o-Terphenyl							02/11/25 10:42	02/11/25 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/11/25 19:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-54302-9

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 19:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 19:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 19:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 19:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 19:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/11/25 10:28	02/11/25 19:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/11/25 10:28	02/11/25 19:04	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			02/11/25 19:04	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			02/11/25 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *	49.7		mg/Kg		02/11/25 10:42	02/11/25 23:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7		mg/Kg		02/11/25 10:42	02/11/25 23:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/11/25 10:42	02/11/25 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/11/25 23:55	1
o-Terphenyl				02/11/25 10:42	02/11/25 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/11/25 19:18	1

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54302-10

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 20:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 20:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/11/25 10:28	02/11/25 20:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/11/25 10:28	02/11/25 20:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54302-10

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			02/11/25 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.6		49.8		mg/Kg			02/12/25 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 00:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 00:16	1
Oil Range Organics (Over C28-C36)	56.6		49.8		mg/Kg		02/11/25 10:42	02/12/25 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/12/25 00:16	1
o-Terphenyl				02/11/25 10:42	02/12/25 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/11/25 19:27	1

Client Sample ID: SW-5 (5')

Lab Sample ID: 880-54302-11

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 20:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 20:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 20:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/11/25 10:28	02/11/25 20:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/11/25 10:28	02/11/25 20:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/11/25 20:47	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			02/12/25 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 00:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (5')

Lab Sample ID: 880-54302-11

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 00:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:42	02/12/25 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/12/25 00:56	1
o-Terphenyl							02/11/25 10:42	02/12/25 00:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/11/25 19:54	1

Client Sample ID: SW-6 (5')

Lab Sample ID: 880-54302-12

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 21:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 21:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/11/25 10:28	02/11/25 21:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 21:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/11/25 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/25 01:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/12/25 01:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/12/25 01:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/25 10:42	02/12/25 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/12/25 01:16	1
o-Terphenyl							02/11/25 10:42	02/12/25 01:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/11/25 20:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (5')

Lab Sample ID: 880-54302-13

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 21:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 21:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 21:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/11/25 10:28	02/11/25 21:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/11/25 10:28	02/11/25 21:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/11/25 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/25 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:42	02/12/25 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/12/25 01:37	1
o-Terphenyl				02/11/25 10:42	02/12/25 01:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/11/25 20:31	1

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-54302-14

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 21:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 21:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 21:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 21:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 21:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/11/25 10:28	02/11/25 21:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/11/25 10:28	02/11/25 21:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-54302-14

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			02/11/25 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/25 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 01:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 01:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/25 10:42	02/12/25 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/12/25 01:57	1
o-Terphenyl				02/11/25 10:42	02/12/25 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 20:40	1

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-54302-15

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 22:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 22:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 22:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 22:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/25 10:28	02/11/25 22:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/25 10:28	02/11/25 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/11/25 10:28	02/11/25 22:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/11/25 10:28	02/11/25 22:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/11/25 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/25 02:18	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	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 02:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 02:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-54302-15

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:42	02/12/25 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/12/25 02:18	1
o-Terphenyl							02/11/25 10:42	02/12/25 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/11/25 20:49	1

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-54302-16

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 22:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 22:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/25 10:28	02/11/25 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/11/25 10:28	02/11/25 22:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/11/25 10:28	02/11/25 22:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/11/25 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/25 02:39	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	<49.7	U *-	49.7		mg/Kg		02/11/25 10:42	02/12/25 02:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U *-	49.7		mg/Kg		02/11/25 10:42	02/12/25 02:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/11/25 10:42	02/12/25 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/12/25 02:39	1
o-Terphenyl							02/11/25 10:42	02/12/25 02:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/11/25 20:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-54302-17

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 22:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 22:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 22:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/25 10:28	02/11/25 22:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 22:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/25 10:28	02/11/25 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/11/25 10:28	02/11/25 22:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/11/25 10:28	02/11/25 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/11/25 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/25 03:00	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	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/12/25 03:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/11/25 10:42	02/12/25 03:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/25 10:42	02/12/25 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				02/11/25 10:42	02/12/25 03:00	1
o-Terphenyl				02/11/25 10:42	02/12/25 03:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 21:08	1

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-54302-18

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 23:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 23:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 23:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 23:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 23:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:28	02/11/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/11/25 10:28	02/11/25 23:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/11/25 10:28	02/11/25 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-54302-18

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			02/11/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/25 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 03:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		02/11/25 10:42	02/12/25 03:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:42	02/12/25 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:42	02/12/25 03:21	1
o-Terphenyl							02/11/25 10:42	02/12/25 03:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/11/25 21:17	1

Client Sample ID: SW-13 (3')

Lab Sample ID: 880-54302-19

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:28	02/11/25 23:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 23:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 23:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/25 10:28	02/11/25 23:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/25 10:28	02/11/25 23:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/25 10:28	02/11/25 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/11/25 10:28	02/11/25 23:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/11/25 10:28	02/11/25 23:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/11/25 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/25 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 03:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/11/25 10:42	02/12/25 03:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (3')
Date Collected: 02/10/25 00:00
Date Received: 02/11/25 10:00

Lab Sample ID: 880-54302-19
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/25 10:42	02/12/25 03:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane							02/11/25 10:42	02/12/25 03:41	1	
o-Terphenyl							02/11/25 10:42	02/12/25 03:41	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.1	U	10.1		mg/Kg			02/11/25 21:26	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
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)
880-54301-A-1-A MS	Matrix Spike	99	100
880-54301-A-1-B MSD	Matrix Spike Duplicate	100	101
880-54302-1	CS-1 (2')	121	96
880-54302-2	CS-2 (5')	119	98
880-54302-3	CS-3 (5')	121	98
880-54302-4	CS-4 (2')	119	99
880-54302-5	CS-5 (2')	119	98
880-54302-6	CS-6 (2')	116	98
880-54302-7	SW-1 (2')	126	99
880-54302-8	SW-2 (2')	116	98
880-54302-9	SW-3 (2')	119	97
880-54302-10	SW-4 (2')	126	97
880-54302-11	SW-5 (5')	122	99
880-54302-12	SW-6 (5')	118	98
880-54302-13	SW-7 (5')	117	99
880-54302-14	SW-8 (3')	119	100
880-54302-15	SW-9 (3')	124	98
880-54302-16	SW-10 (2')	119	98
880-54302-17	SW-11 (2')	116	97
880-54302-18	SW-12 (2')	119	99
880-54302-19	SW-13 (3')	121	99
LCS 880-102460/1-A	Lab Control Sample	97	100
LCSD 880-102460/2-A	Lab Control Sample Dup	98	100
MB 880-102460/5-A	Method Blank	111	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
880-54302-1	CS-1 (2')		
880-54302-2	CS-2 (5')		
880-54302-3	CS-3 (5')		
880-54302-4	CS-4 (2')		
880-54302-5	CS-5 (2')		
880-54302-6	CS-6 (2')		
880-54302-7	SW-1 (2')		
880-54302-8	SW-2 (2')		
880-54302-9	SW-3 (2')		
880-54302-10	SW-4 (2')		
880-54302-11	SW-5 (5')		
880-54302-12	SW-6 (5')		
880-54302-13	SW-7 (5')		
880-54302-14	SW-8 (3')		
880-54302-15	SW-9 (3')		

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-54302-1

Project/Site: Gin to Tectonic Federal 50 CTB

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)					
		1CO1	OTPH1				
Lab Sample ID	Client Sample ID						
880-54302-16	SW-10 (2')						
880-54302-17	SW-11 (2')						
880-54302-18	SW-12 (2')						
880-54302-19	SW-13 (3')						
MB 880-102463/1-A	Method Blank						
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		1CO1	OTPH1				
Lab Sample ID	Client Sample ID	(70-130)	(70-130)				
LCS 880-102463/2-A	Lab Control Sample	82	90				
LCSD 880-102463/3-A	Lab Control Sample Dup	83	93				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102460/5-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:28	02/11/25 15:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/25 10:28	02/11/25 15:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/11/25 10:28	02/11/25 15:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/11/25 10:28	02/11/25 15:30	1

Lab Sample ID: LCS 880-102460/1-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08359		mg/Kg		84	70 - 130
Toluene	0.100	0.08641		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08091		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1663		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08608		mg/Kg		86	70 - 130

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

Lab Sample ID: LCSD 880-102460/2-A

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09392		mg/Kg		94	70 - 130	12	35
Toluene	0.100	0.09758		mg/Kg		98	70 - 130	12	35
Ethylbenzene	0.100	0.09095		mg/Kg		91	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1862		mg/Kg		93	70 - 130	11	35
o-Xylene	0.100	0.09584		mg/Kg		96	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-54301-A-1-A MS

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08198		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.0998	0.08079		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54301-A-1-A MS

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.07653		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1547		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08162		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-54301-A-1-B MSD

Matrix: Solid

Analysis Batch: 102426

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09055		mg/Kg		91	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.08941		mg/Kg		90	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0996	0.08356		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1703		mg/Kg		85	70 - 130	10	35
o-Xylene	<0.00200	U	0.0996	0.08927		mg/Kg		90	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-102463/1-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102463

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		02/11/25 10:41	02/11/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 10:41	02/11/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 10:41	02/11/25 19:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							02/11/25 10:41	02/11/25 19:28	1
o-Terphenyl							02/11/25 10:41	02/11/25 19:28	1

Lab Sample ID: LCS 880-102463/2-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	51000	991.4	*-	mg/Kg		2	70 - 130
Diesel Range Organics (Over C10-C28)	51000	923.9	*-	mg/Kg		2	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102463/2-A
Matrix: Solid
Analysis Batch: 102417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102463

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-102463/3-A
Matrix: Solid
Analysis Batch: 102417

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102463

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			51000	985.2	*-	mg/Kg		2	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			51000	945.1	*-	mg/Kg		2	70 - 130	2	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-54302-1 MS
Matrix: Solid
Analysis Batch: 102417

Client Sample ID: CS-1 (2')
Prep Type: Total/NA
Prep Batch: 102463

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- F1	50900	968.4	F1	mg/Kg		2	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *- F1	50900	667.3	F1	mg/Kg		1	70 - 130		

Lab Sample ID: 880-54302-1 MSD
Matrix: Solid
Analysis Batch: 102417

Client Sample ID: CS-1 (2')
Prep Type: Total/NA
Prep Batch: 102463

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- F1	50900	1002	F1	mg/Kg		2	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U *- F1	50900	699.5	F1	mg/Kg		1	70 - 130	5	20	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102461/1-A
Matrix: Solid
Analysis Batch: 102490

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 16:51	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102461/2-A

Matrix: Solid

Analysis Batch: 102490

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-102461/3-A

Matrix: Solid

Analysis Batch: 102490

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	248.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-54302-10 MS

Matrix: Solid

Analysis Batch: 102490

Client Sample ID: SW-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.94	U	249	257.8		mg/Kg		102	90 - 110

Lab Sample ID: 880-54302-10 MSD

Matrix: Solid

Analysis Batch: 102490

Client Sample ID: SW-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.94	U	249	257.9		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	8021B	102460
880-54302-2	CS-2 (5')	Total/NA	Solid	8021B	102460
880-54302-3	CS-3 (5')	Total/NA	Solid	8021B	102460
880-54302-4	CS-4 (2')	Total/NA	Solid	8021B	102460
880-54302-5	CS-5 (2')	Total/NA	Solid	8021B	102460
880-54302-6	CS-6 (2')	Total/NA	Solid	8021B	102460
880-54302-7	SW-1 (2')	Total/NA	Solid	8021B	102460
880-54302-8	SW-2 (2')	Total/NA	Solid	8021B	102460
880-54302-9	SW-3 (2')	Total/NA	Solid	8021B	102460
880-54302-10	SW-4 (2')	Total/NA	Solid	8021B	102460
880-54302-11	SW-5 (5')	Total/NA	Solid	8021B	102460
880-54302-12	SW-6 (5')	Total/NA	Solid	8021B	102460
880-54302-13	SW-7 (5')	Total/NA	Solid	8021B	102460
880-54302-14	SW-8 (3')	Total/NA	Solid	8021B	102460
880-54302-15	SW-9 (3')	Total/NA	Solid	8021B	102460
880-54302-16	SW-10 (2')	Total/NA	Solid	8021B	102460
880-54302-17	SW-11 (2')	Total/NA	Solid	8021B	102460
880-54302-18	SW-12 (2')	Total/NA	Solid	8021B	102460
880-54302-19	SW-13 (3')	Total/NA	Solid	8021B	102460
MB 880-102460/5-A	Method Blank	Total/NA	Solid	8021B	102460
LCS 880-102460/1-A	Lab Control Sample	Total/NA	Solid	8021B	102460
LCSD 880-102460/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102460
880-54301-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	102460
880-54301-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	102460

Prep Batch: 102460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	5035	
880-54302-2	CS-2 (5')	Total/NA	Solid	5035	
880-54302-3	CS-3 (5')	Total/NA	Solid	5035	
880-54302-4	CS-4 (2')	Total/NA	Solid	5035	
880-54302-5	CS-5 (2')	Total/NA	Solid	5035	
880-54302-6	CS-6 (2')	Total/NA	Solid	5035	
880-54302-7	SW-1 (2')	Total/NA	Solid	5035	
880-54302-8	SW-2 (2')	Total/NA	Solid	5035	
880-54302-9	SW-3 (2')	Total/NA	Solid	5035	
880-54302-10	SW-4 (2')	Total/NA	Solid	5035	
880-54302-11	SW-5 (5')	Total/NA	Solid	5035	
880-54302-12	SW-6 (5')	Total/NA	Solid	5035	
880-54302-13	SW-7 (5')	Total/NA	Solid	5035	
880-54302-14	SW-8 (3')	Total/NA	Solid	5035	
880-54302-15	SW-9 (3')	Total/NA	Solid	5035	
880-54302-16	SW-10 (2')	Total/NA	Solid	5035	
880-54302-17	SW-11 (2')	Total/NA	Solid	5035	
880-54302-18	SW-12 (2')	Total/NA	Solid	5035	
880-54302-19	SW-13 (3')	Total/NA	Solid	5035	
MB 880-102460/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102460/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102460/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54301-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-54301-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	Total BTEX	
880-54302-2	CS-2 (5')	Total/NA	Solid	Total BTEX	
880-54302-3	CS-3 (5')	Total/NA	Solid	Total BTEX	
880-54302-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-54302-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-54302-6	CS-6 (2')	Total/NA	Solid	Total BTEX	
880-54302-7	SW-1 (2')	Total/NA	Solid	Total BTEX	
880-54302-8	SW-2 (2')	Total/NA	Solid	Total BTEX	
880-54302-9	SW-3 (2')	Total/NA	Solid	Total BTEX	
880-54302-10	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-54302-11	SW-5 (5')	Total/NA	Solid	Total BTEX	
880-54302-12	SW-6 (5')	Total/NA	Solid	Total BTEX	
880-54302-13	SW-7 (5')	Total/NA	Solid	Total BTEX	
880-54302-14	SW-8 (3')	Total/NA	Solid	Total BTEX	
880-54302-15	SW-9 (3')	Total/NA	Solid	Total BTEX	
880-54302-16	SW-10 (2')	Total/NA	Solid	Total BTEX	
880-54302-17	SW-11 (2')	Total/NA	Solid	Total BTEX	
880-54302-18	SW-12 (2')	Total/NA	Solid	Total BTEX	
880-54302-19	SW-13 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	8015B NM	102463
880-54302-2	CS-2 (5')	Total/NA	Solid	8015B NM	102463
880-54302-3	CS-3 (5')	Total/NA	Solid	8015B NM	102463
880-54302-4	CS-4 (2')	Total/NA	Solid	8015B NM	102463
880-54302-5	CS-5 (2')	Total/NA	Solid	8015B NM	102463
880-54302-6	CS-6 (2')	Total/NA	Solid	8015B NM	102463
880-54302-7	SW-1 (2')	Total/NA	Solid	8015B NM	102463
880-54302-8	SW-2 (2')	Total/NA	Solid	8015B NM	102463
880-54302-9	SW-3 (2')	Total/NA	Solid	8015B NM	102463
880-54302-10	SW-4 (2')	Total/NA	Solid	8015B NM	102463
880-54302-11	SW-5 (5')	Total/NA	Solid	8015B NM	102463
880-54302-12	SW-6 (5')	Total/NA	Solid	8015B NM	102463
880-54302-13	SW-7 (5')	Total/NA	Solid	8015B NM	102463
880-54302-14	SW-8 (3')	Total/NA	Solid	8015B NM	102463
880-54302-15	SW-9 (3')	Total/NA	Solid	8015B NM	102463
880-54302-16	SW-10 (2')	Total/NA	Solid	8015B NM	102463
880-54302-17	SW-11 (2')	Total/NA	Solid	8015B NM	102463
880-54302-18	SW-12 (2')	Total/NA	Solid	8015B NM	102463
880-54302-19	SW-13 (3')	Total/NA	Solid	8015B NM	102463
MB 880-102463/1-A	Method Blank	Total/NA	Solid	8015B NM	102463
LCS 880-102463/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102463
LCSD 880-102463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102463
880-54302-1 MS	CS-1 (2')	Total/NA	Solid	8015B NM	102463
880-54302-1 MSD	CS-1 (2')	Total/NA	Solid	8015B NM	102463

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 102463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-54302-2	CS-2 (5')	Total/NA	Solid	8015NM Prep	
880-54302-3	CS-3 (5')	Total/NA	Solid	8015NM Prep	
880-54302-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-54302-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-54302-6	CS-6 (2')	Total/NA	Solid	8015NM Prep	
880-54302-7	SW-1 (2')	Total/NA	Solid	8015NM Prep	
880-54302-8	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-54302-9	SW-3 (2')	Total/NA	Solid	8015NM Prep	
880-54302-10	SW-4 (2')	Total/NA	Solid	8015NM Prep	
880-54302-11	SW-5 (5')	Total/NA	Solid	8015NM Prep	
880-54302-12	SW-6 (5')	Total/NA	Solid	8015NM Prep	
880-54302-13	SW-7 (5')	Total/NA	Solid	8015NM Prep	
880-54302-14	SW-8 (3')	Total/NA	Solid	8015NM Prep	
880-54302-15	SW-9 (3')	Total/NA	Solid	8015NM Prep	
880-54302-16	SW-10 (2')	Total/NA	Solid	8015NM Prep	
880-54302-17	SW-11 (2')	Total/NA	Solid	8015NM Prep	
880-54302-18	SW-12 (2')	Total/NA	Solid	8015NM Prep	
880-54302-19	SW-13 (3')	Total/NA	Solid	8015NM Prep	
MB 880-102463/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102463/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54302-1 MS	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-54302-1 MSD	CS-1 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Total/NA	Solid	8015 NM	
880-54302-2	CS-2 (5')	Total/NA	Solid	8015 NM	
880-54302-3	CS-3 (5')	Total/NA	Solid	8015 NM	
880-54302-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-54302-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-54302-6	CS-6 (2')	Total/NA	Solid	8015 NM	
880-54302-7	SW-1 (2')	Total/NA	Solid	8015 NM	
880-54302-8	SW-2 (2')	Total/NA	Solid	8015 NM	
880-54302-9	SW-3 (2')	Total/NA	Solid	8015 NM	
880-54302-10	SW-4 (2')	Total/NA	Solid	8015 NM	
880-54302-11	SW-5 (5')	Total/NA	Solid	8015 NM	
880-54302-12	SW-6 (5')	Total/NA	Solid	8015 NM	
880-54302-13	SW-7 (5')	Total/NA	Solid	8015 NM	
880-54302-14	SW-8 (3')	Total/NA	Solid	8015 NM	
880-54302-15	SW-9 (3')	Total/NA	Solid	8015 NM	
880-54302-16	SW-10 (2')	Total/NA	Solid	8015 NM	
880-54302-17	SW-11 (2')	Total/NA	Solid	8015 NM	
880-54302-18	SW-12 (2')	Total/NA	Solid	8015 NM	
880-54302-19	SW-13 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 102461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Soluble	Solid	DI Leach	
880-54302-2	CS-2 (5')	Soluble	Solid	DI Leach	
880-54302-3	CS-3 (5')	Soluble	Solid	DI Leach	
880-54302-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-54302-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-54302-6	CS-6 (2')	Soluble	Solid	DI Leach	
880-54302-7	SW-1 (2')	Soluble	Solid	DI Leach	
880-54302-8	SW-2 (2')	Soluble	Solid	DI Leach	
880-54302-9	SW-3 (2')	Soluble	Solid	DI Leach	
880-54302-10	SW-4 (2')	Soluble	Solid	DI Leach	
880-54302-11	SW-5 (5')	Soluble	Solid	DI Leach	
880-54302-12	SW-6 (5')	Soluble	Solid	DI Leach	
880-54302-13	SW-7 (5')	Soluble	Solid	DI Leach	
880-54302-14	SW-8 (3')	Soluble	Solid	DI Leach	
880-54302-15	SW-9 (3')	Soluble	Solid	DI Leach	
880-54302-16	SW-10 (2')	Soluble	Solid	DI Leach	
880-54302-17	SW-11 (2')	Soluble	Solid	DI Leach	
880-54302-18	SW-12 (2')	Soluble	Solid	DI Leach	
880-54302-19	SW-13 (3')	Soluble	Solid	DI Leach	
MB 880-102461/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102461/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102461/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54302-10 MS	SW-4 (2')	Soluble	Solid	DI Leach	
880-54302-10 MSD	SW-4 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 102490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54302-1	CS-1 (2')	Soluble	Solid	300.0	102461
880-54302-2	CS-2 (5')	Soluble	Solid	300.0	102461
880-54302-3	CS-3 (5')	Soluble	Solid	300.0	102461
880-54302-4	CS-4 (2')	Soluble	Solid	300.0	102461
880-54302-5	CS-5 (2')	Soluble	Solid	300.0	102461
880-54302-6	CS-6 (2')	Soluble	Solid	300.0	102461
880-54302-7	SW-1 (2')	Soluble	Solid	300.0	102461
880-54302-8	SW-2 (2')	Soluble	Solid	300.0	102461
880-54302-9	SW-3 (2')	Soluble	Solid	300.0	102461
880-54302-10	SW-4 (2')	Soluble	Solid	300.0	102461
880-54302-11	SW-5 (5')	Soluble	Solid	300.0	102461
880-54302-12	SW-6 (5')	Soluble	Solid	300.0	102461
880-54302-13	SW-7 (5')	Soluble	Solid	300.0	102461
880-54302-14	SW-8 (3')	Soluble	Solid	300.0	102461
880-54302-15	SW-9 (3')	Soluble	Solid	300.0	102461
880-54302-16	SW-10 (2')	Soluble	Solid	300.0	102461
880-54302-17	SW-11 (2')	Soluble	Solid	300.0	102461
880-54302-18	SW-12 (2')	Soluble	Solid	300.0	102461
880-54302-19	SW-13 (3')	Soluble	Solid	300.0	102461
MB 880-102461/1-A	Method Blank	Soluble	Solid	300.0	102461
LCS 880-102461/2-A	Lab Control Sample	Soluble	Solid	300.0	102461
LCSD 880-102461/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102461
880-54302-10 MS	SW-4 (2')	Soluble	Solid	300.0	102461
880-54302-10 MSD	SW-4 (2')	Soluble	Solid	300.0	102461

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-54302-1

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 16:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 20:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 20:30	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 17:46	CH	EET MID

Client Sample ID: CS-2 (5')

Lab Sample ID: 880-54302-2

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 16:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 21:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 21:32	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 17:55	CH	EET MID

Client Sample ID: CS-3 (5')

Lab Sample ID: 880-54302-3

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 21:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 21:53	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 18:04	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-54302-4

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 17:22	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-54302-4

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			102587	02/11/25 22:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 22:13	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 18:13	CH	EET MID

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-54302-5

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 17:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 22:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 22:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 18:41	CH	EET MID

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-54302-6

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 18:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 22:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 22:53	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 18:50	CH	EET MID

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-54302-7

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 18:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 23:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 23:14	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-54302-7

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 18:59	CH	EET MID

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-54302-8

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 18:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 23:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 23:35	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 19:09	CH	EET MID

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-54302-9

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 19:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/11/25 23:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/11/25 23:55	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 19:18	CH	EET MID

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54302-10

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 20:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 00:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 00:16	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 19:27	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (5')

Lab Sample ID: 880-54302-11

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 20:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 00:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 00:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 19:54	CH	EET MID

Client Sample ID: SW-6 (5')

Lab Sample ID: 880-54302-12

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 21:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 01:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 01:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 20:03	CH	EET MID

Client Sample ID: SW-7 (5')

Lab Sample ID: 880-54302-13

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 21:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 21:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 01:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 01:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 20:31	CH	EET MID

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-54302-14

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 21:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 21:49	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-54302-14

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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			102587	02/12/25 01:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 01:57	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 20:40	CH	EET MID

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-54302-15

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 22:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 02:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 02:18	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 20:49	CH	EET MID

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-54302-16

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 22:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 22:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 02:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 02:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 20:58	CH	EET MID

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-54302-17

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 22:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 03:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 03:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (2')

Date Collected: 02/10/25 00:00

Date Received: 02/11/25 10:00

Lab Sample ID: 880-54302-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 21:08	CH	EET MID

Client Sample ID: SW-12 (2')

Date Collected: 02/10/25 00:00

Date Received: 02/11/25 10:00

Lab Sample ID: 880-54302-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 23:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 03:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 03:21	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 21:17	CH	EET MID

Client Sample ID: SW-13 (3')

Date Collected: 02/10/25 00:00

Date Received: 02/11/25 10:00

Lab Sample ID: 880-54302-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	102460	02/11/25 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102426	02/11/25 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102608	02/11/25 23:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102587	02/12/25 03:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102463	02/11/25 10:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102417	02/12/25 03:41	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102461	02/11/25 10:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102490	02/11/25 21:26	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
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- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
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: Gin to Tectonic Federal 50 CTB

Job ID: 880-54302-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54302-1	CS-1 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-2	CS-2 (5')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-3	CS-3 (5')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-4	CS-4 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-5	CS-5 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-6	CS-6 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-7	SW-1 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-8	SW-2 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-9	SW-3 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-10	SW-4 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-11	SW-5 (5')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-12	SW-6 (5')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-13	SW-7 (5')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-14	SW-8 (3')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-15	SW-9 (3')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-16	SW-10 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-17	SW-11 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-18	SW-12 (2')	Solid	02/10/25 00:00	02/11/25 10:00
880-54302-19	SW-13 (3')	Solid	02/10/25 00:00	02/11/25 10:00

Chain of Custody



880-54302 Chain of Custody

Page 1 of 2

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

Project Name: Gin to Tectonic Federal 50 CTB		Turn Around		Pres. Code	
Project Number: 2553		☐ Routine ☒ Rush			
Project Location: Lea County, New Mexico		Due Date: 24 Hours			
Sampler's Name: JR					
PO #:					

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

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

Relinquished by: (Signature)		Received by: (Signature)	
Date/Time: 2/11/25 10AM		Date/Time: 2/12/25 10:20	

Chain of Custody

Work Order No: 302Page 2 of 2

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

Project Name: Gin to Tectonic Federal 50 CTB		Turn Around		Pres. Code	
Project Number: 2553		☐ Routine ☒ Rush			
Project Location: Lea County, New Mexico		Due Date: 24 Hours			
Sampler's Name: JR					
PO #:					

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	Parameters	# of Cont
SW-5 (5')	2/10/2025		X		Comp 1	BTEX 8021B	1
SW-6 (5')	2/10/2025		X		Comp 1	TPH 8015M (GRO + DRO + MRO)	1
SW-7 (5')	2/10/2025		X		Comp 1	Chloride 300.0	1
SW-8 (3')	2/10/2025		X		Comp 1		1
SW-9 (3')	2/10/2025		X		Comp 1		1
SW-10 (2')	2/10/2025		X		Comp 1		1
SW-11 (2')	2/10/2025		X		Comp 1		1
SW-12 (2')	2/10/2025		X		Comp 1		1
SW-13 (3')	2/10/2025		X		Comp 1		1

ANALYSIS REQUEST		Preservative Codes	
		None: NO	DI Water: H ₂ O
		Cool: Cool	MeOH: Me
		HCL: HC	HNO ₃ : HN
		H ₂ SO ₄ : H ₂	NaOH: Na
		H ₃ PO ₄ : HP	
		NaHSO ₄ : NABIS	
		Na ₂ S ₂ O ₃ : NaSO ₃	
		Zn Acetate+NaOH: Zn	
		NaOH+Ascorbic Acid: SAPC	
Sample Comments			

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

Relinquished by: (Signature)		Received by: (Signature)	
Date/Time		Date/Time	
2/12/25 10 AM		2/12/25 1000	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54302-1

SDG Number: Lea County, New Mexico

Login Number: 54302

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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 2/13/2025 8:29:07 AM

JOB DESCRIPTION

Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-54300-1

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
2/13/2025 8:29:07 AM

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

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Laboratory Job ID: 880-54300-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
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
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1

Job ID: 880-54300-1

Eurofins Midland

Job Narrative 880-54300-1

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

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

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

Receipt

The sample was received on 2/11/2025 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (Lea Land) (880-54300-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-102438 and analytical batch 880-102536 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill Sample (Lea Land)

Lab Sample ID: 880-54300-1

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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		02/11/25 10:39	02/11/25 18:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:39	02/11/25 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/11/25 10:39	02/11/25 18:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/11/25 10:39	02/11/25 18:02	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			02/11/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/25 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/11/25 09:16	02/13/25 01:11	1
o-Terphenyl	111		70 - 130	02/11/25 09:16	02/13/25 01:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		9.96		mg/Kg			02/11/25 22:45	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
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)
880-54285-A-1-A MS	Matrix Spike	102	93
880-54285-A-1-B MSD	Matrix Spike Duplicate	100	96
880-54300-1	Backfill Sample (Lea Land)	90	100
LCS 880-102443/1-A	Lab Control Sample	124	103
LCSD 880-102443/2-A	Lab Control Sample Dup	122	103
MB 880-102443/5-A	Method Blank	203 S1+	119
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)
880-54279-A-1-H MS	Matrix Spike	88	87
880-54279-A-1-I MSD	Matrix Spike Duplicate	84	81
880-54300-1	Backfill Sample (Lea Land)	108	111
LCS 880-102438/2-A	Lab Control Sample	102	93
LCSD 880-102438/3-A	Lab Control Sample Dup	96	89
MB 880-102438/1-A	Method Blank	116	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102443/5-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/25 09:45	02/11/25 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130	02/11/25 09:45	02/11/25 11:49	1
1,4-Difluorobenzene (Surr)	119		70 - 130	02/11/25 09:45	02/11/25 11:49	1

Lab Sample ID: LCS 880-102443/1-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09717		mg/Kg		97	70 - 130
Toluene	0.100	0.1024		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2392		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-102443/2-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08705		mg/Kg		87	70 - 130	11	35
Toluene	0.100	0.09154		mg/Kg		92	70 - 130	11	35
Ethylbenzene	0.100	0.09016		mg/Kg		90	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2140		mg/Kg		107	70 - 130	11	35
o-Xylene	0.100	0.1085		mg/Kg		109	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-54285-A-1-A MS

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08083		mg/Kg		81	70 - 130
Toluene	<0.00200	U F1	0.0998	0.07610		mg/Kg		76	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54285-A-1-A MS

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0998	0.05442	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1281	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.06362	F1	mg/Kg		64	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: 880-54285-A-1-B MSD

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07061		mg/Kg		71	70 - 130	13	35
Toluene	<0.00200	U F1	0.0996	0.06183	F1	mg/Kg		62	70 - 130	21	35
Ethylbenzene	<0.00200	U F1	0.0996	0.04800	F1	mg/Kg		48	70 - 130	13	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1012	F1	mg/Kg		49	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0996	0.04824	F1	mg/Kg		48	70 - 130	28	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-102438/1-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102438

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		02/11/25 09:16	02/12/25 19:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/12/25 19:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/12/25 19:04	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				02/11/25 09:16	02/12/25 19:04	1
o-Terphenyl	117		70 - 130				02/11/25 09:16	02/12/25 19:04	1

Lab Sample ID: LCS 880-102438/2-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	989.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.6		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102438/2-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102438

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-102438/3-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1034		mg/Kg		103	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-54279-A-1-H MS

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	951.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	771.2		mg/Kg		76	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-54279-A-1-I MSD

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102438

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 F2	997	736.5	F2	mg/Kg		70	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	731.8		mg/Kg		72	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102503/1-A
Matrix: Solid
Analysis Batch: 102505

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 22:26	1

Lab Sample ID: LCS 880-102503/2-A
Matrix: Solid
Analysis Batch: 102505

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-102503/3-A
Matrix: Solid
Analysis Batch: 102505

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	258.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-54300-1 MS
Matrix: Solid
Analysis Batch: 102505

Client Sample ID: Backfill Sample (Lea Land)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	228		249	498.4		mg/Kg		108	90 - 110

Lab Sample ID: 880-54300-1 MSD
Matrix: Solid
Analysis Batch: 102505

Client Sample ID: Backfill Sample (Lea Land)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	228		249	499.8		mg/Kg		109	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8021B	102443
MB 880-102443/5-A	Method Blank	Total/NA	Solid	8021B	102443
LCS 880-102443/1-A	Lab Control Sample	Total/NA	Solid	8021B	102443
LCSD 880-102443/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102443
880-54285-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	102443
880-54285-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	102443

Prep Batch: 102443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	5035	
MB 880-102443/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102443/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102443/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54285-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-54285-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 102601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015NM Prep	
MB 880-102438/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102438/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54279-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54279-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015B NM	102438
MB 880-102438/1-A	Method Blank	Total/NA	Solid	8015B NM	102438
LCS 880-102438/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102438
LCSD 880-102438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102438
880-54279-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	102438
880-54279-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102438

Analysis Batch: 102683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	
MB 880-102503/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102503/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102503/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 102503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1 MS	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	
880-54300-1 MSD	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	

Analysis Batch: 102505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503
MB 880-102503/1-A	Method Blank	Soluble	Solid	300.0	102503
LCS 880-102503/2-A	Lab Control Sample	Soluble	Solid	300.0	102503
LCSD 880-102503/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102503
880-54300-1 MS	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503
880-54300-1 MSD	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill Sample (Lea Land)
Date Collected: 02/10/25 00:00
Date Received: 02/11/25 10:00

Lab Sample ID: 880-54300-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102443	02/11/25 10:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102430	02/11/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102601	02/11/25 18:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102683	02/13/25 01:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102438	02/11/25 09:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102536	02/13/25 01:11	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102503	02/11/25 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102505	02/11/25 22:45	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
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: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54300-1	Backfill Sample (Lea Land)	Solid	02/10/25 00:00	02/11/25 10:00

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



888-54300 Chain of Custody

Chain of Custody

Page 1 of 1

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2/11/18 10 AM		2/11/18 1000

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54300-1

SDG Number: Lea County, New Mexico

Login Number: 54300

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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

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

QUESTIONS

Action 435435

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 435435
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428859784
Incident Name	NAPP2428859784 GIN AND TECTONIC FEDERAL 5 O SOUTH CTB @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2417647408] GIN AND TECTONIC FED 5 O SOUTH CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Gin and Tectonic Federal 5 O South CTB
Date Release Discovered	10/13/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Pump Crude Oil Released: 62 BBL Recovered: 59 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 435435

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/29/2024
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QUESTIONS, Page 3

Action 435435

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number: 435435
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	228
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	34700
GRO+DRO (EPA SW-846 Method 8015M)	34700
BTEX (EPA SW-846 Method 8021B or 8260B)	665
Benzene (EPA SW-846 Method 8021B or 8260B)	45.5

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

On what estimated date will the remediation commence	01/21/2025
On what date will (or did) the final sampling or liner inspection occur	02/10/2025
On what date will (or was) the remediation complete(d)	02/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1380
What is the estimated volume (in cubic yards) that will be remediated	185

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 435435

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
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QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/26/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 435435

QUESTIONS (continued)

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	Action Number: 435435
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 435435

QUESTIONS (continued)

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	229137
	Action Number:
	435435
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	429207
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2025
What was the (estimated) number of samples that were to be gathered	18
What was the sampling surface area in square feet	1380

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1380
What was the total volume (cubic yards) remediated	185
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	na
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/26/2025

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Action 435435

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 435435

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 435435
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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/18/2025